


**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> Ute Tribal 28-06F					
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> ANTELOPE CREEK					
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b> ANTELOPE CREEK					
<b>6. NAME OF OPERATOR</b> PETROGLYPH OPERATING CO						<b>7. OPERATOR PHONE</b> 208 685-7674					
<b>8. ADDRESS OF OPERATOR</b> 960 Broadway Ave, Ste 500, Bosie, ID, 83703						<b>9. OPERATOR E-MAIL</b> bwest@pgei.com					
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> 14-20-H62-3517				<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>					
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>					
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>					
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b> Ute Indian Tribe				<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		<b>19. SLANT</b> VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>					
<b>20. LOCATION OF WELL</b>		<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>		<b>RANGE</b>	<b>MERIDIAN</b>		
LOCATION AT SURFACE		1927 FNL 1791 FWL		SEnw	28	5.0 S		3.0 W	U		
Top of Uppermost Producing Zone		2080 FNL 1030 FWL		SWnw	28	5.0 S		3.0 W	U		
At Total Depth		2080 FNL 1030 FWL		SWnw	28	5.0 S		3.0 W	U		
<b>21. COUNTY</b> DUCHESNE				<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 791		<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 409					
				<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Approved For Drilling or Completed)</b> 1004		<b>26. PROPOSED DEPTH</b> MD: 5874 TVD: 5800					
<b>27. ELEVATION - GROUND LEVEL</b> 6489				<b>28. BOND NUMBER</b> LP4138153		<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 43-8342					
<b>Hole, Casing, and Cement Information</b>											
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight	
Cond	20	14	0 - 55	5.0	Unknown	10.0	Class G	25	1.17	15.8	
Surf	12.25	8.625	0 - 495	24.0	J-55 ST&C	10.0	Class G	227	1.17	15.8	
Prod	7.875	5.5	0 - 5874	15.5	J-55 LT&C	10.0	Class G	476	1.92	12.5	
							Class G	281	1.46	13.4	
<b>ATTACHMENTS</b>											
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>											
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN						
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER						
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP						
<b>NAME</b> Ed Trotter				<b>TITLE</b> Agent			<b>PHONE</b> 435 789-4120				
<b>SIGNATURE</b>				<b>DATE</b> 07/02/2012			<b>EMAIL</b> edtrotter@easilink.com				
<b>API NUMBER ASSIGNED</b> 43013515320000				<b>APPROVAL</b>  Permit Manager							

RECEIVED: July 03, 2012

**CONFIDENTIAL**  
**NINE POINT DRILLING PLAN**  
**PETROGLYPH OPERATING COMPANY, INC**  
**UTE TRIBAL 28-06F**  
**SE NW, SEC 28, T5S, R3W**  
**DUCHESNE COUNTY, UTAH**

**1. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:**

Formation		Subsea	TVD	MD
Rig KB=~15' above GGL		6504	0	0
Surface Formation = Uinta				
Uinta		6489	15	15
Green River		5048	1456	1462
Trona		3786	2718	2750
Mahogany Shale		3598	2906	2944
"B" Marker	Waterflood Unit Interval	2514	3990	4053
"X" Marker		2035	4469	4539
Douglas Creek Marker		1894	4610	4682
"B" Limestone		1527	3990	5052
Base Castle Peak Limestone		970	5534	5610
BSCARB		500	0	0
Wasatch		255	NDE	NDE
Rig TD		704	5800	5874

**2. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERAL FORMATIONS:**

Substance	Formation	Subsea	TVD	MD
Base of moderately saline ground water*	Uinta	5100	1404	1404
Oil/Gas	Douglas Creek	1894	4610	4682
Oil/Gas	Castle Peak	970	5534	5610
Oil/Gas	Wasatch	255	NDE	NDE

Any water encountered during drilling shall be sampled, analyzed and reported to the BLM Vernal office using State of Utah DOGM Form 7 *Report of Water Encountered during Drilling*. The following analyses shall be performed on any water encountered:

Flow rate (or blowtest)	Temperature	pH	TDS
Dissolved Iron	Dissolved Magnesium	Dissolved Bicarb.	Dissolved Sulfate
Dissolved Calcium	Dissolved Sodium	Dissolved Carbonate	Dissolved Chloride

All depths through the "Base of moderately saline ground water"\*, along with any water encountered below that depth which is less than 10,000 TDS, shall be protected by the surface casing or by lifting the cement of the production casing into the surface casing.

\*Base of Moderately Saline Groundwater from Howells, Longson and Hunt, 1981, Utah State Technical Publication 92: The Base of the Moderately Saline Water in the Uinta Basin, Utah



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**3. PROPOSED CASING PROGRAM:**

String	Hole	Casing	Top - MD	Bottom - MD	Weight lb/ft	Grade	Thread
Conductor	20"	14"	surface	54.5'	steel	Cond'r	none
Surface	12-1/4"	8-5/8"	surface	494.5'	24	J-55	STC
Production	7-7/8"	5-1/2"	surface	5874'	15.5	J-55	LTC

String	Hole	Casing	Collapse	Burst	Tensile
Surface	12-1/4"	8-5/8"	1,370 psi	2,950 psi	214,000 lb
Production	7-7/8"	5-1/2"	4,040 psi	4,810 psi	248,000 lb

- All casing will be new or inspected.
- The surface and production strings shall have a minimum of one (1) centralizer on each of the bottom three (3) joints.
- The production string shall have a minimum of one (1) centralizer for every three (3) joints from TD to the top of the "B" marker at 4053' MD.

**4. PROPOSED CEMENTING PROGRAM:**

String	Top Bottom	Cement Description	Sacks Vol (ft <sup>3</sup> )	Excess	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
Conductor	0 54.5	Construction Grade Cement	Sufficient volumes to grout Conductor			
Surface	0 494.5	Class G +2% CaCl <sub>2</sub> +0.25 lb/sk Cello Flake	227 265	30%	15.8	1.17
Production Lead	0 4053	EXPANDACEM (Class G +additives) + 1 lb/sk Granulite TR <sup>1</sup> / <sub>4</sub> (LCM)	476 913	30%	12.5	1.92
Production Tail	4053 5874	EXPANDACEM (Class G +additives) + 1 lb/sk Granulite TR <sup>1</sup> / <sub>4</sub> (LCM)	281 410	30%	13.4	1.46

- The 8-5/8" surface casing shall be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.
- The 5-1/2" production casing shall be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, a remedial surface cementing operation shall be performed only if necessary to lift cement above the Surface Casing Shoe at 480' MD.

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**5. MINIMUM PRESSURE CONTROL AND SAFETY EQUIPMENT:**

- An 8", 2000 PSI, Double Ram BOPE with Hydraulic Closing Unit shall be used.
- A 2000 PSI Working Pressure Annular shall be used.
- The flowline shall have a minimum diameter of 10".
- Auxiliary equipment shall be a Kelly Cock, Bit Float, and a TIW valve with drill pipe threads.
- Spark arrestors shall be equipped on all engine exhausts within 100 feet of the wellbore.
- See attached 2,000 psi BOP schematic diagram.

**BOPE TESTING PROCEDURE:**

- The BOPE shall be tested by a professional tester to conform to Onshore Order #2.

**6. MUD PROGRAM:**

**A. SURFACE HOLE**

- The surface hole will be drilled with an air/mist system from 0' to 494.5'. All cutting shall be directed to pit.
- A trailer-mounted compressor with a capacity of 2000 CFM will be used. Compressor will have a safety shut-off valve located less than 15 feet from the driller's controls of the rig.
- The rat and mouse holes will be drilled with the air rig after surface casing is cemented.
- The 140 barrel water truck used with the deduster will be the source of kill fluid in the highly unlikely event of pressure being encountered during drilling of the surface hole.
- Operator requests the following variances from Onshore Order 2 part E during drilling of the surface hole. Operator will use air drilling techniques only on surface hole:
  - Operator requests a variance to regulations requiring the blooie line discharge to be 100' from the wellbore. Due to reduced location size, the blooie line discharge will be approximately 75' from the wellbore and securely anchored.
  - Operator requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. A mister shall be on the end of the blooie line.
  - Operator requests a variance to regulations requiring compressors be located in the opposite direction from the blooie line; a minimum of 100' from the wellbore. Due to the reduced location size, the compressors shall be located as close as is reasonable to the opposite direction from the blooie line and 75' from the wellbore.
  - Operator requests a variance to regulations requiring a BOPE on the hole when drilling the surface hole. An air bowl shall be utilized on the diverter system in place of a BOPE.

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**B. PRODUCTION HOLE**

- The production hole shall be drilled with a freshwater polymer system from 494.5' to 5874'. LSND mud if conditions warrant.
- Clay inhibition and hole stability shall be achieved with a Diammonium Phosphate (DAP) additive or similar source of clay-stabilizing ions. Anticipated mud weight is 8.3-8.8 lbs/gal. although mud weight up to 10lbs/gal may be used if necessary to prevent wellbore wall instability due to the planned inclination of the well.
- All cuttings and circulating medium shall be directed into the reserve pit. Total Dissolved Solids (TDS) are anticipated to be less than 3000 PPM.
- Sufficient mud inventory will be maintained on location in either tanks or the reserve pit during the drilling of the production hole to handle any adverse conditions that may arise.
- If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite. Enough material shall be maintained on location to allow for the mudweight to be raised to 10.5 lbs/gal should need arise.
- During drilling operations, pit levels and flow from the well shall be monitored by instrumentation to include at least: a pit volume totalizer (PVT), a stroke counter, and a mud-flow indicator.
- A mud-gas separator shall be available on location. Operator does not plan on using a gas detector on the mud return due to the fact that any abnormal pressure is the result of offset water injection.

**C. HAZARDOUS MATERIALS AND POLLUTANTS**

- Chromate additives **shall NOT** be used in the mud system on Indian lands without prior BLM approval to ensure adequate protection of freshwater aquifers.
- Chemicals subject to reporting under SARA Title III in an amounts equal to or greater than 10,000 pounds annually **shall NOT** be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of this well.
- Extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities **shall NOT** be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of this well.
- Hazardous substances specifically listed by the EPA as a hazardous waste, as defined in 40 CFR 261 (D), or any substances that through their use would lead to the generation of a hazardous waste, **shall NOT** be used in association with the drilling, testing, or completion of this well.



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**7. EVALUATION PROGRAM:**

Logs:	Triple Combo	TD to base of surface casing (AIT, DSN, CDL) Base of surface casing to surface (GR)
Cores:	None planned	
DST:	None planned	
Testing:	Operator plans no testing until the completion phase of the well.	

**8. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

- Operator anticipates Bottom Hole Temperatures below 150°F, the maximum temperature for DAP drilling fluids.
- No H<sub>2</sub>S has been encountered or is known to exist from previous drilling in the area at this depth.
- Maximum pressure for hydrocarbon bearing zones at native conditions in this area is approximately 1468.5 PSI (0.25 PSI/ft gradient).
- This well is in the vicinity of active injection wells. Nearby active injection can cause pressures up to a 0.435 PSI/ft gradient (2543 PSI).

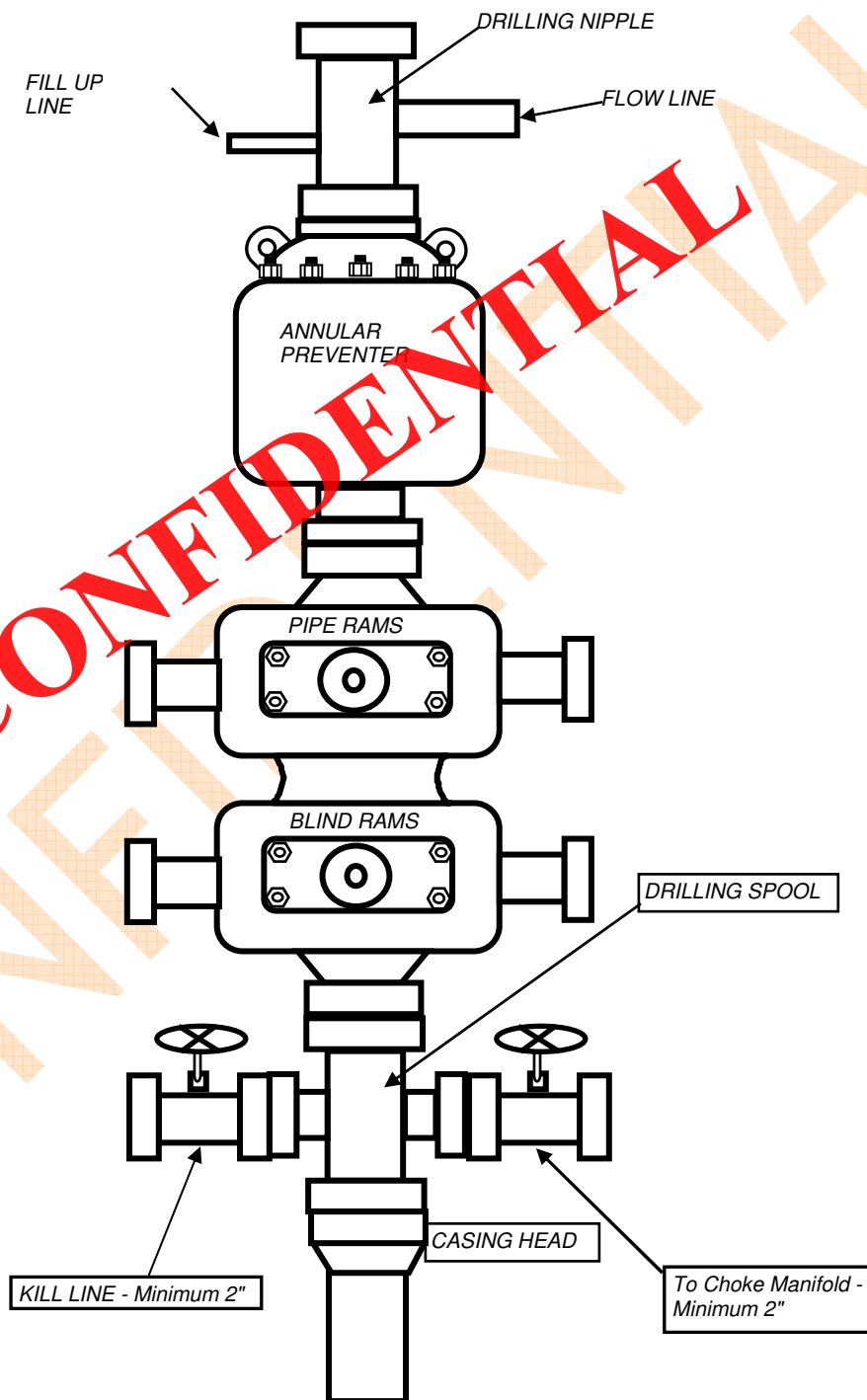
**9. DIRECTIONAL WELL PLAN:**

- Well shall be drilled directionally in order to limit surface disturbance.
- A Positive Displacement Motor with a bent sub of 1.25° to 1.75° will be used to control well path.
- A directional survey shall be taken at least one (1) time per 100' of drilling.
- Anti-collision equipment will not be used as there are no existing wells in the vicinity of the proposed well path.
- While cutting the Waterflood Unit Interval from 4053' to 0', the actual well path may be allowed to vary up to 100' horizontally from plan in order to prevent excessive slide drilling. Above and below the Waterflood Unit Interval, variances in excess 100' horizontally from plan may be allowed.
- Directional drilling plan is attached.

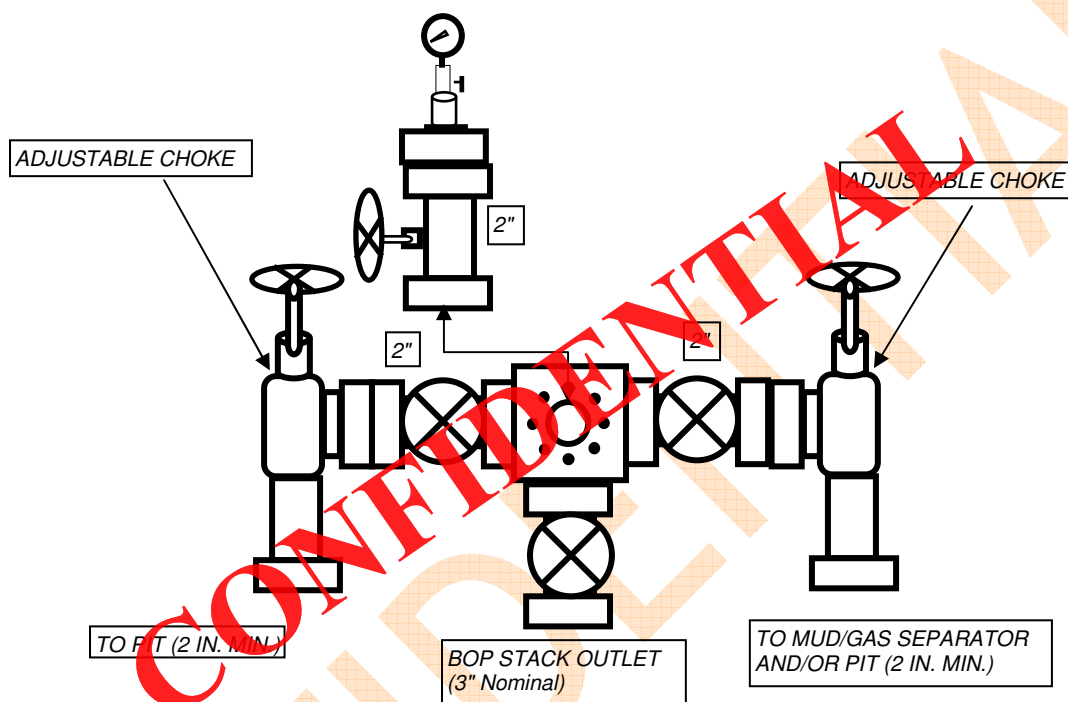


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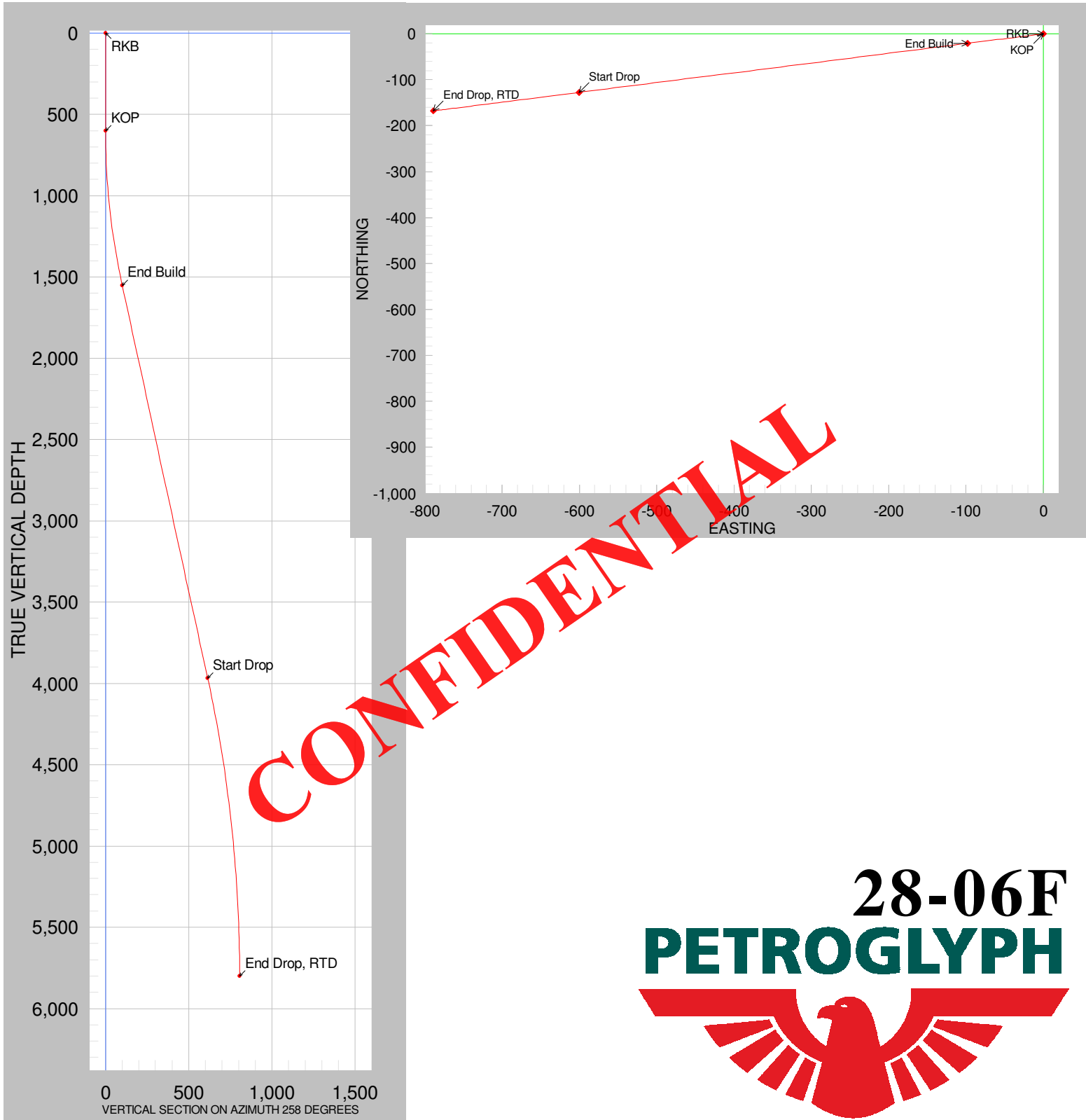
**TYPICAL 2,000 p.s.i. BLOWOUT PREVENTER**



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**TYPICAL 2,000 p.s.i. CHOKE MANIFOLD**







#	Reference	Type	MD	Inc	Azi	TVD	N	E	DLS	Vert S
0	RKB	Tie Point	0.00	0.00	0.00	0.00	0.00	0.00		0.00
1	KOP	Vertical	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00
2	End Build	Build	1560.00	12.00	258.00	1553.00	-20.83	-97.98	1.25	100.16
3	Start Drop	Tangent	4030.00	12.00	258.00	3969.02	-127.60	-600.29	0.00	613.71
4	End Drop, RTD	Drop	5874.62	0.01	258.00	5800.17	-167.65	-788.71	0.65	806.33

## 28-06F, Plan 1

28-06F, Plan 1										
Operator Field Well Name 28-06F Plan 1			Units feet, %/100ft County State Country			14:19 Wednesday, April 18, 2012 Page 1 of 4 Vertical Section Azimuth 258 Survey Calculation Method Minimum Curvature Database Access				
Location Site Slot Name Well Number Project		UWI API		MapZone SurfaceX SurfaceY Z Datum Surface Z			Lat Long Ref Surface Long Surface Lat  Ground Level			
DIRECTIONAL WELL PLAN										
MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
*** RKB (at MD = 0.00)										
0.00	0.00	0.0	0.00	0.00	0.00		0.00			
50.00	0.00	0.0	50.00	0.00	0.00	0.00	0.00			
100.00	0.00	0.0	100.00	0.00	0.00	0.00	0.00			
150.00	0.00	0.0	150.00	0.00	0.00	0.00	0.00			
200.00	0.00	0.0	200.00	0.00	0.00	0.00	0.00			
250.00	0.00	0.0	250.00	0.00	0.00	0.00	0.00			
300.00	0.00	0.0	300.00	0.00	0.00	0.00	0.00			
350.00	0.00	0.0	350.00	0.00	0.00	0.00	0.00			
400.00	0.00	0.0	400.00	0.00	0.00	0.00	0.00			
450.00	0.00	0.0	450.00	0.00	0.00	0.00	0.00			
500.00	0.00	0.0	500.00	0.00	0.00	0.00	0.00			
550.00	0.00	0.0	550.00	0.00	0.00	0.00	0.00			
*** KOP (at MD = 600.00)										
600.00	0.00	0.0	600.00	0.00	0.00	0.00	0.00			
650.00	0.63	258.0	650.00	-0.06	-0.27	1.25	0.27			
700.00	1.25	258.0	699.99	-0.23	-1.07	1.25	1.09			
750.00	1.88	258.0	749.97	-0.51	-2.40	1.25	2.45			
800.00	2.50	258.0	799.94	-0.91	-4.27	1.25	4.36			
850.00	3.13	258.0	849.88	-1.42	-6.67	1.25	6.82			
900.00	3.75	258.0	899.79	-2.04	-9.60	1.25	9.81			
950.00	4.38	258.0	949.66	-2.78	-13.06	1.25	13.36			
1000.00	5.00	258.0	999.49	-3.63	-17.06	1.25	17.44			
1050.00	5.63	258.0	1049.28	-4.59	-21.59	1.25	22.07			
1100.00	6.25	258.0	1099.01	-5.66	-26.65	1.25	27.24			
1150.00	6.88	258.0	1148.68	-6.85	-32.24	1.25	32.96			
1200.00	7.50	258.0	1198.29	-8.15	-38.36	1.25	39.21			
1250.00	8.13	258.0	1247.82	-9.57	-45.01	1.25	46.01			
1300.00	8.75	258.0	1297.28	-11.09	-52.18	1.25	53.35			
1350.00	9.38	258.0	1346.66	-12.73	-59.88	1.25	61.22			
1400.00	10.00	258.0	1395.94	-14.48	-68.11	1.25	69.64			
1450.00	10.63	258.0	1445.14	-16.34	-76.87	1.25	78.59			
1500.00	11.25	258.0	1494.23	-18.31	-86.15	1.25	88.07			
1550.00	11.88	258.0	1543.21	-20.40	-95.95	1.25	98.10			
*** END BUILD (at MD = 1560.00)										
1560.00	12.00	258.0	1553.00	-20.83	-97.98	1.25	100.16			

## 28-06F, Plan 1

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Location Site Slot Name Well Number Project		UWI API		MapZone SurfaceX SurfaceY Z Datum Surface Z		Lat Long Ref Surface Long Surface Lat  Ground Level				
DIRECTIONAL WELL PLAN										
MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
1600.00	12.00	258.0	1592.12	-22.55	-106.11	0.00	108.48			
1650.00	12.00	258.0	1641.03	-24.72	-116.28	0.00	118.88			
1700.00	12.00	258.0	1689.94	-26.88	-126.45	0.00	129.27			
1750.00	12.00	258.0	1738.85	-29.04	-136.62	0.00	139.67			
1800.00	12.00	258.0	1787.75	-31.20	-146.78	0.00	150.06			
1850.00	12.00	258.0	1836.66	-33.36	-156.95	0.00	160.46			
1900.00	12.00	258.0	1885.57	-35.52	-167.12	0.00	170.85			
1950.00	12.00	258.0	1934.47	-37.68	-177.29	0.00	181.25			
2000.00	12.00	258.0	1983.38	-39.85	-187.46	0.00	191.65			
2050.00	12.00	258.0	2032.29	-42.01	-197.63	0.00	202.04			
2100.00	12.00	258.0	2081.20	-44.17	-207.79	0.00	212.44			
2150.00	12.00	258.0	2130.10	-46.33	-217.96	0.00	222.83			
2200.00	12.00	258.0	2179.01	-48.49	-228.13	0.00	233.23			
2250.00	12.00	258.0	2227.92	-50.65	-238.30	0.00	243.62			
2300.00	12.00	258.0	2276.83	-52.81	-248.47	0.00	254.02			
2350.00	12.00	258.0	2325.73	-54.97	-258.64	0.00	264.41			
2400.00	12.00	258.0	2374.64	-57.14	-268.80	0.00	274.81			
2450.00	12.00	258.0	2423.55	-59.30	-278.97	0.00	285.21			
2500.00	12.00	258.0	2472.46	-61.46	-289.14	0.00	295.60			
2550.00	12.00	258.0	2521.36	-63.62	-299.31	0.00	306.00			
2600.00	12.00	258.0	2570.27	-65.78	-309.48	0.00	316.39			
2650.00	12.00	258.0	2619.18	-67.94	-319.65	0.00	326.79			
2700.00	12.00	258.0	2668.09	-70.10	-329.82	0.00	337.18			
2750.00	12.00	258.0	2716.99	-72.27	-339.98	0.00	347.58			
2800.00	12.00	258.0	2765.90	-74.43	-350.15	0.00	357.97			
2850.00	12.00	258.0	2814.81	-76.59	-360.32	0.00	368.37			
2900.00	12.00	258.0	2863.71	-78.75	-370.49	0.00	378.77			
2950.00	12.00	258.0	2912.62	-80.91	-380.66	0.00	389.16			
3000.00	12.00	258.0	2961.53	-83.07	-390.83	0.00	399.56			
3050.00	12.00	258.0	3010.44	-85.23	-400.99	0.00	409.95			
3100.00	12.00	258.0	3059.34	-87.40	-411.16	0.00	420.35			
3150.00	12.00	258.0	3108.25	-89.56	-421.33	0.00	430.74			
3200.00	12.00	258.0	3157.16	-91.72	-431.50	0.00	441.14			
3250.00	12.00	258.0	3206.07	-93.88	-441.67	0.00	451.53			
3300.00	12.00	258.0	3254.97	-96.04	-451.84	0.00	461.93			

## 28-06F, Plan 1

28-06F, Plan 1										
Operator		Units		14:20 Wednesday, April 18, 2012 Page 3 of 4						
Field		County		Vertical Section Azimuth 258						
Well Name 28-06F		State		Survey Calculation Method Minimum Curvature						
Plan 1		Country		Database Access						
Location				MapZone		Lat Long Ref				
Site				SurfaceX		Surface Long				
Slot Name		UWI		SurfaceY		Surface Lat				
Well Number		API		Z Datum						
Project				Surface Z		Ground Level				
DIRECTIONAL WELL PLAN										
MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
3350.00	12.00	258.0	3303.88	-98.20	-462.00	0.00	472.33			
3400.00	12.00	258.0	3352.79	-100.36	-472.17	0.00	482.72			
3450.00	12.00	258.0	3401.70	-102.52	-482.34	0.00	493.12			
3500.00	12.00	258.0	3450.60	-104.69	-492.51	0.00	503.51			
3550.00	12.00	258.0	3499.51	-106.85	-502.68	0.00	513.91			
3600.00	12.00	258.0	3548.42	-109.01	-512.85	0.00	524.30			
3650.00	12.00	258.0	3597.33	-111.17	-523.02	0.00	534.70			
3700.00	12.00	258.0	3646.23	-113.33	-533.19	0.00	545.10			
3750.00	12.00	258.0	3695.14	-115.49	-543.35	0.00	555.49			
3800.00	12.00	258.0	3744.05	-117.65	-553.52	0.00	565.89			
3850.00	12.00	258.0	3792.96	-119.82	-563.69	0.00	576.28			
3900.00	12.00	258.0	3841.86	-121.98	-573.86	0.00	586.68			
3950.00	12.00	258.0	3890.77	-124.14	-584.03	0.00	597.07			
4000.00	12.00	258.0	3939.68	-126.30	-594.19	0.00	607.47			
*** START DROP (at MD = 4030.00)										
4030.00	12.00	258.0	3969.02	-127.60	-600.30	0.00	613.71			
4050.00	11.87	258.0	3988.59	-128.46	-604.34	0.65	617.84			
4100.00	11.55	258.0	4037.55	-130.57	-614.26	0.65	627.99			
4150.00	11.22	258.0	4086.57	-132.62	-623.92	0.65	637.86			
4200.00	10.90	258.0	4135.64	-134.61	-633.30	0.65	647.45			
4250.00	10.57	258.0	4184.76	-136.55	-642.40	0.65	656.76			
4300.00	10.25	258.0	4233.94	-138.43	-651.24	0.65	665.79			
4350.00	9.92	258.0	4283.17	-140.25	-659.80	0.65	674.54			
4400.00	9.60	258.0	4332.44	-142.01	-668.09	0.65	683.02			
4450.00	9.27	258.0	4381.77	-143.71	-676.11	0.65	691.21			
4500.00	8.95	258.0	4431.14	-145.36	-683.85	0.65	699.12			
4550.00	8.62	258.0	4480.55	-146.94	-691.31	0.65	706.76			
4600.00	8.30	258.0	4530.01	-148.47	-698.51	0.65	714.11			
4650.00	7.97	258.0	4579.50	-149.94	-705.43	0.65	721.19			
4700.00	7.65	258.0	4629.04	-151.36	-712.07	0.65	727.98			
4750.00	7.32	258.0	4678.62	-152.71	-718.44	0.65	734.49			
4800.00	7.00	258.0	4728.23	-154.00	-724.53	0.65	740.72			
4850.00	6.67	258.0	4777.87	-155.24	-730.35	0.65	746.67			
4900.00	6.35	258.0	4827.55	-156.42	-735.89	0.65	752.33			
4950.00	6.02	258.0	4877.26	-157.54	-741.16	0.65	757.72			

**28-06F, Plan 1**

28-06F, Plan 1										
Operator		Units		14:20 Wednesday, April 18, 2012 Page 4 of 4						
Field		feet, %/100ft								
Well Name		County		Vertical Section Azimuth 258						
28-06F		State		Survey Calculation Method Minimum Curvature						
Plan 1		Country		Database Access						
Location				MapZone				Lat Long Ref		
Site				SurfaceX				Surface Long		
Slot Name				SurfaceY				Surface Lat		
Well Number				Z Datum						
Project				Surface Z				Ground Level		
DIRECTIONAL WELL PLAN										
MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
5000.00	5.70	258.0	4927.00	-158.60	-746.15	0.65	762.82			
5050.00	5.37	258.0	4976.76	-159.60	-750.87	0.65	767.64			
5100.00	5.05	258.0	5026.56	-160.55	-755.31	0.65	772.10			
5150.00	4.72	258.0	5076.38	-161.43	-759.47	0.65	776.44			
5200.00	4.40	258.0	5126.22	-162.26	-763.36	0.65	780.41			
5250.00	4.07	258.0	5176.08	-163.02	-766.96	0.65	784.10			
5300.00	3.75	258.0	5225.96	-163.73	-770.30	0.65	787.51			
5350.00	3.42	258.0	5275.87	-164.38	-773.35	0.65	790.63			
5400.00	3.10	258.0	5325.79	-164.97	-776.13	0.65	793.47			
5450.00	2.77	258.0	5375.72	-165.50	-778.63	0.65	796.03			
5500.00	2.45	258.0	5425.67	-165.98	-780.86	0.65	798.30			
5550.00	2.12	258.0	5475.63	-166.39	-782.81	0.65	800.30			
5600.00	1.80	258.0	5525.60	-166.75	-784.48	0.65	802.00			
5650.00	1.47	258.0	5575.58	-167.04	-785.87	0.65	803.43			
5700.00	1.15	258.0	5625.57	-167.28	-786.99	0.65	804.57			
5750.00	0.82	258.0	5675.56	-167.46	-787.83	0.65	805.43			
5800.00	0.50	258.0	5725.56	-167.58	-788.39	0.65	806.00			
5850.00	0.17	258.0	5775.55	-167.64	-788.67	0.65	806.29			
*** END DROP, RTD (at MD = 5874.62)										
5874.62	0.01	258.0	5800.17	-167.65	-788.71	0.65	806.33			

PETROGLYPH OPERATING CO., INC.

N89°15'28"E  
894.83' (Meas. to True)  
N89°15'28"E  
894.10' (Meas. to C.C.)

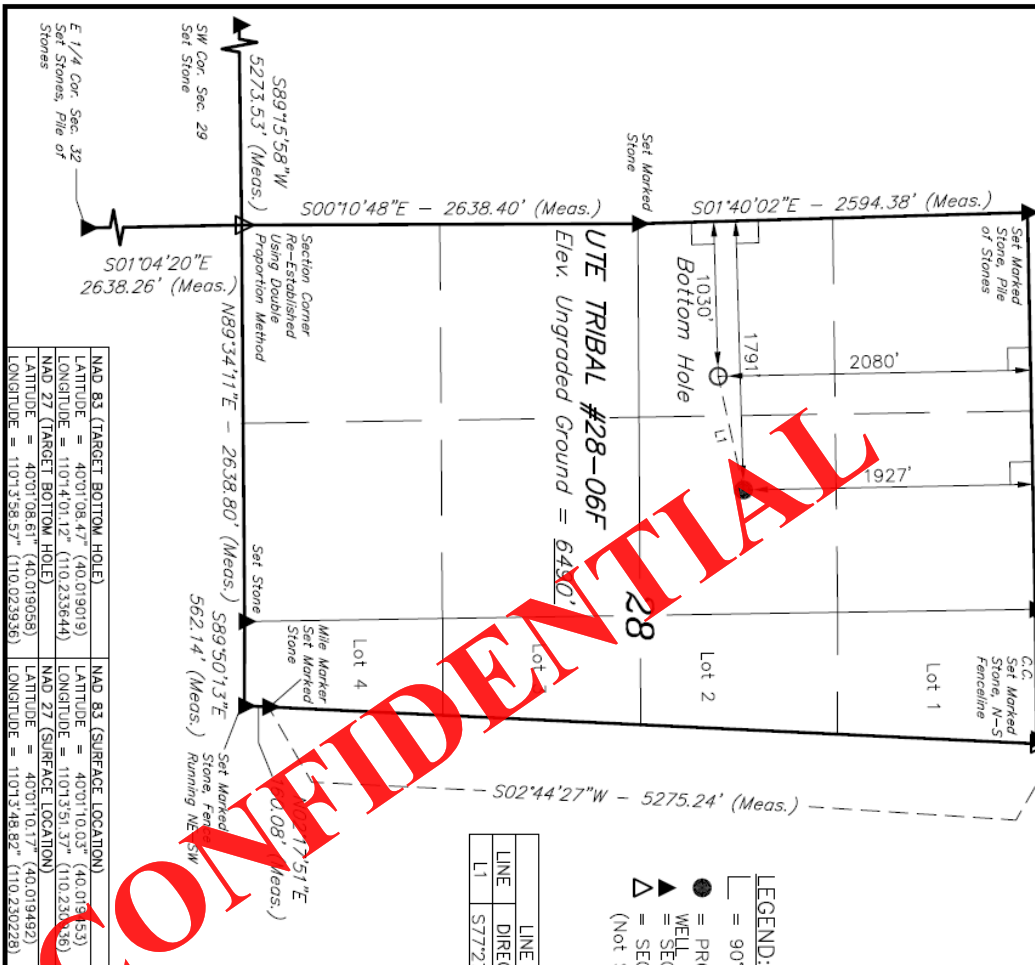
Well location, UTE TRIBAL #28-06F, located as shown in the SE 1/4 NW 1/4 of Section 28, T5S, R3W, U.S.B.&M., Duchesne County, Utah.





## BASIS OF ELEVATION

BRASS CAP SET IN CONCRETE BY SUNRISE ENGINEERING  
LOCATED IN THE SE 1/4 OF SECTION 16, T5S, R3W, U.S.B.&M  
SAID ELEVATION IS MARKED AS BEING 6281.9 FEET.

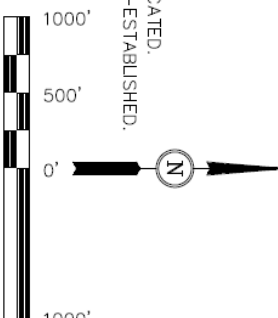
## BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION



**LEGEND:**  
 = 90° SYMBOL  
 = PROPOSED WELL HEAD.  
 = SECTION CORNERS LOCATED.  
 = SECTION CORNERS RE-ESTABLISHED (Not Set on Ground.)

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S77°27'41"W	775.05'



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE DOCUMENT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STATE OF MICHIGAN  
COUNTY OF ALCON  
REGISTERED LAND  
RECORDS  
SECTION 16, TOWNSHIP 36 NORTH, RANGE 20 WEST, 4TH MERIDIAN  
NORTH  
BELLER  
KAY  
161319  
05-2012

UNTAH ENGINEERING &amp; LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE  
1" = 1000'

DATE SURVEYED: 12-21-11

DATE DRAWN:  
12-28-11

A.F. J.M.

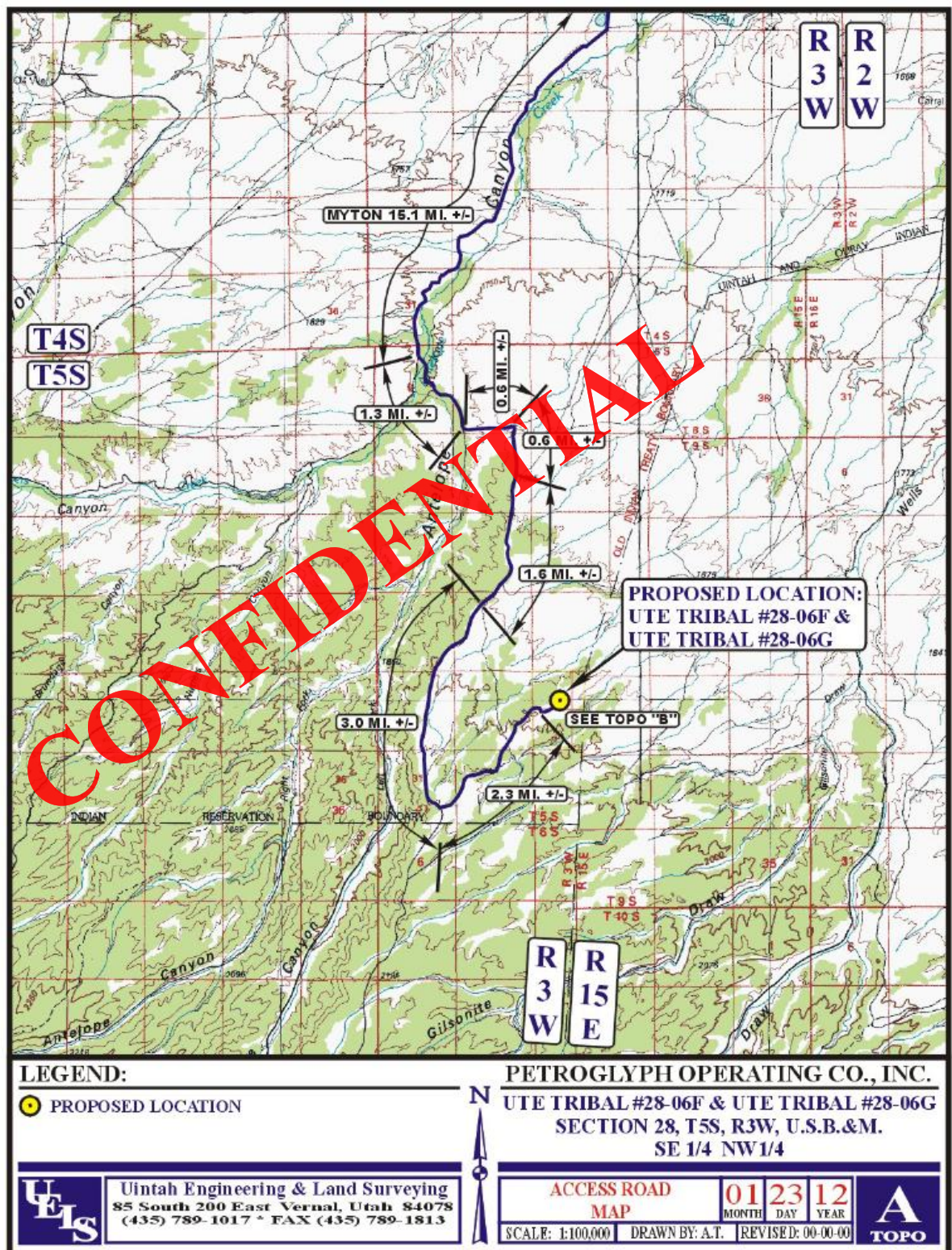
G.L.O. PLAT

--	--

PETRO

ATING CO., INC







**PETROGLYPH OPERATING CO., INC.**  
**P.O. BOX 607**  
**ROOSEVELT, UTAH 84066**

July 2, 2012

Ms. Diana Mason  
State of Utah  
Division of Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, UT 84114-5801

Re: Directional Drilling R649-3-11

Ute Tribal 28-06F: 1927' FNL & 1791' FWL, SE/NW (Surface Hole),

2080' FNL & 1030' FWL, SW/NW (Bottom Hole),

Sec. 28, T5S, R3W, U.S.B.&M.,

Duchesne County, Utah

Dear Ms. Mason,

Pursuant to the filing of Petroglyph Operating Co., Inc.'s Application for Permit to Drill regarding the above referenced well on July 2, 2012, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

- The Ute Tribal 28-06F is located within the Antelope Creek Unit Area.
- Petroglyph Operating Co., Inc. is permitting this well as a directional well in order to minimize surface disturbance. Locating the well at the surface location and drilling directionally from this location, Petroglyph Operating Co., Inc. will be able to utilize the existing road and pipelines in the area.
- Furthermore, Petroglyph Operating Co., Inc. hereby certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

Therefore, based on the above stated information, Petroglyph Operating Co., Inc. requests the permit be granted pursuant to R649-3-11.

Respectfully Submitted,

Ed Trotter,  
Agent  
P.O. Box 1910  
Vernal, UT 84078  
Phone: (435)789-4120  
Fax: (435)789-1420  
E-mail: edtrotter@easilink.com

RECEIVED: July 02, 2012

### Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions that presently exist; that the statements made in the Plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Petroglyph Operating Co., Inc. and its contractors and subcontractors in conformity with this Plan and the terms and conditions under which it is approved.

Please be advised that Petroglyph Operating Co., Inc. is considered to be the operator of the **UTE TRIBAL 28-06F Well, located in the SE/NW of Section 28, T5S, R3W, Duchesne County, Utah; Lease #14-20-H62-3517**; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is provided under Bond #LP4138153.

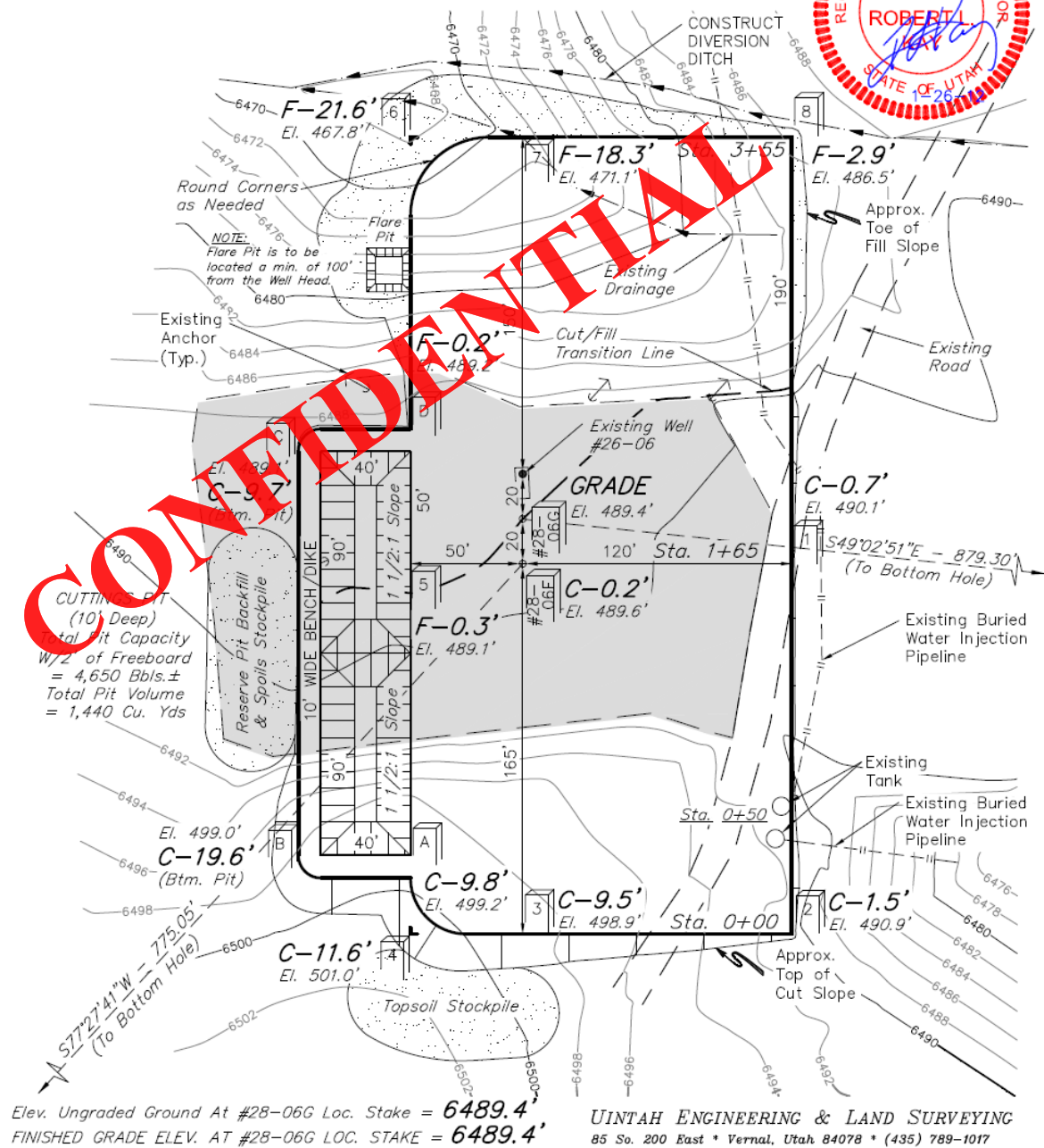
\_\_\_\_\_  
Date

\_\_\_\_\_  
Ed Trotter, as Agent for  
Petroglyph Operating Co., Inc.

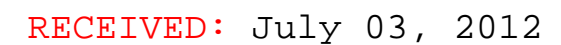
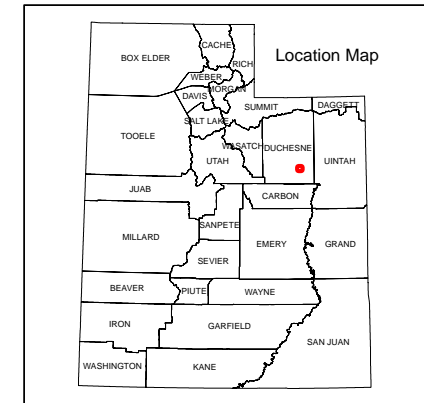
**CONFIDENTIAL**

## LOCATION LAYOUT FOR

**FIGURE #1**



Map Produced by Diana Mason



## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 7/2/2012

API NO. ASSIGNED: 43013515320000

WELL NAME: Ute Tribal 28-06F

OPERATOR: PETROGLYPH OPERATING CO (N3800)

PHONE NUMBER: 435 789-4120

CONTACT: Ed Trotter

PROPOSED LOCATION: SENW 28 050S 030W

Permit Tech Review: ☒

SURFACE: 1927 FNL 1791 FWL

Engineering Review: ☐

BOTTOM: 2080 FNL 1030 FWL

Geology Review: ☒

COUNTY: DUCHESNE

LATITUDE: 40.01948

LONGITUDE: -110.23043

UTM SURF EASTINGS: 565674.00

NORTHINGS: 4429993.00

FIELD NAME: ANTELOPE CREEK

LEASE TYPE: 2 - Indian

LEASE NUMBER: 14-20-H62-3517

PROPOSED PRODUCING FORMATION(S): WASATCH

SURFACE OWNER: 2 - Indian

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

- ☒ PLAT
- ☒ Bond: INDIAN - LP4138153
- ☐ Potash
- ☐ Oil Shale 190-5
- ☐ Oil Shale 190-3
- ☐ Oil Shale 190-13
- ☒ Water Permit: 43-8342
- ☐ RDCC Review:
- ☐ Fee Surface Agreement
- ☐ Intent to Commingle

Commingling Approved

## LOCATION AND SITING:

- ☐ R649-2-3.
- Unit: ANTELOPE CREEK
- ☐ R649-3-2. General
- ☐ R649-3-3. Exception
- ☒ Drilling Unit
- Board Cause No: Cause 214-2
- Effective Date: 6/9/2000
- Siting: Suspends General Siting
- ☒ R649-3-11. Directional Drill

Comments: Presite Completed  
IRR SEC:

Stipulations: 4 - Federal Approval - dmason  
15 - Directional - dmason

RECEIVED: July 03, 2012





GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## Permit To Drill

\*\*\*\*\*

**Well Name:** Ute Tribal 28-06F  
**API Well Number:** 43013515320000  
**Lease Number:** 14-20-H62-3517  
**Surface Owner:** INDIAN  
**Approval Date:** 7/3/2012

### Issued to:

PETROGLYPH OPERATING CO, 960 Broadway Ave, Ste 500, Bosie, ID 83703

### Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 214-2. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

### Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

### Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

### Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil &

Gas website  
at <http://oilgas.ogm.utah.gov>

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

**Approved By:**

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers  
Associate Director, Oil & Gas



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

AUG 21 2012

FORM APPROVED  
OMB No. 1004-0136  
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

BLM

CONFIDENTIAL

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. 1420H623517
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator PETROGLYPH OPERATING CO., INC. Contact: ED H TROTTER Email: edtrotter@easilink.com		7. If Unit or CA Agreement, Name and No. 1420H624650
3a. Address P.O. BOX 607 ROOSEVELT, UT 84066	3b. Phone No. (include area code) Ph: 435-789-4120 Fx: 435-789-1420	8. Lease Name and Well No. UTE TRIBAL 28-06F
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SENW 1927FNL 1791FWL At proposed prod. zone SWNW 2080FNL 1030FWL		9. API Well No. 43 013 515 29
14. Distance in miles and direction from nearest town or post office* 24.8 MILES SOUTHWEST OF MYTON, UT		10. Field and Pool, or Exploratory ANTELOPE CREEK
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1791'	16. No. of Acres in Lease 409.40	11. Sec., T., R., M., or Blk. and Survey or Area Sec 28 T5S R3W Mer UBM
17. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1004'	18. Proposed Depth 5874 MD 5800 TVD	12. County or Parish DUCHESNE
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6489 GL	22. Approximate date work will start 10/15/2012	13. State UT
23. Estimated duration 45 DAYS		17. Spacing Unit dedicated to this well

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) LESTER FARNSWORTH Ph: 435-722-2531	Date 08/21/2012
Title DISTRICT MANAGER		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	Date MAR 18 2013
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

MAR 22 2013

Additional Operator Remarks (see next page)

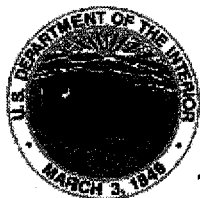
Electronic Submission #146835 verified by the BLM Well Information System  
For PETROGLYPH OPERATING CO., INC., sent to the Vernal  
Committed to AFMSS for processing by LESLIE ROBINSON on 08/29/2012 ()

DIV. OF OIL, GAS & MINING

UDOGM

NOTICE OF APPROVAL

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: PERTROGLYPH OPERATING CO.  
Well No: UTE TRIBAL 28-06F  
API No: 43-013-51529

Location: SENW, Sec. 28, T5S, R3W  
Lease No: 14-20-H62-3517  
Agreement: N/A

**OFFICE NUMBER: (435) 781-4400**

**OFFICE FAX NUMBER: (435) 781-3420**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: <a href="mailto:blm_ut_vn_opreport@blm.gov">blm_ut_vn_opreport@blm.gov</a> .
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

•  
Additional Stipulations:

- 1) All areas of disturbance (including surface pipelines) must have appropriate surface use agreements or approvals in place with the proper owner and/or agency before such action is started.
- 2) The conditions as set forth by those owners and/or agencies.

General Conditions of Approval:

- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department and the BLM will be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel will refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department will be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- Gamma Ray Log shall be run from Total Depth to Surface.
- CBL will be run from TD to TOC.
- Cement for the surface casing will be circulated to the surface.
- Cement for long-string shall be circulated 200' above surface casing shoe.
- Variances Granted
- Variance for Air-drilling is granted per APD

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:**

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well by CD (compact disc). This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at [www.ONRR.gov](http://www.ONRR.gov).
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if

performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-3517
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> Ute In
<b>2. NAME OF OPERATOR:</b> PETROGLYPH OPERATING CO		<b>7. UNIT or CA AGREEMENT NAME:</b> ANTELOPE CREEK
<b>3. ADDRESS OF OPERATOR:</b> 960 Broadway Avenue, Ste 500, Boise, ID, 83703		<b>8. WELL NAME and NUMBER:</b> UTE TRIBAL 28-06F
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1938 FNL 1806 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 28 Township: 05.0S Range: 03.0W Meridian: U		<b>9. API NUMBER:</b> 43013515320000
<b>9. FIELD and POOL or WILDCAT:</b> ANTELOPE CREEK		<b>COUNTY:</b> DUCHESNE
<b>STATE:</b> UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: <b>4/23/2013</b>	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
  
 We spudded this well on 04/23/2013 at approximately 1:30 P.M. Using a Bucket Rig provided by Craig's Roustabout Service, Vernal Utah, we set 40' of 16" Conductor. For additional information please contact our office at (435) 722-2531.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 April 24, 2013

<b>NAME (PLEASE PRINT)</b> Rodrigo Jurado	<b>PHONE NUMBER</b> 435 722-5302	<b>TITLE</b> Regulatory & Compliance Spc
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/24/2013	

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: Petroglyph Operating Company Operator Account Number: N 3800  
Address: P.O. Box 607  
city Roosevelt  
state UT zip 84066 Phone Number: (435) 722-2531

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301351532	Ute Tribal 28-06F		SE	NW	28	5S	3W Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
B	99999	17710	4/23/2013			25-April-2013	
Comments: Please add to existing 28-07 Tank Battery. WSTC							

**CONFIDENTIAL**

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Rodrigo Jurado

Name (Please Print)

Signature

Regulatory Compliance Spc.

Title

4/24/2013

Date

**RECEIVED**

**APR 24 2013**

Div. of Oil, Gas & Mining

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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<b>STATE:</b> UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <span style="border: 1px solid black; padding: 2px;">Revised WH Spacing</span>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>4/9/2013</b>			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  

We have revised the well head location of the well referenced above. The revised location will facilitate the footprint of our drill rig and also future workovers due to a more efficient well site layout. The Bottom Hole Location will remain unchanged. Please see the attached plats. The revised well head location is 1938' FNL, 1806' FWL SENW Sec. 28, T5S, R3W Duchesne County Utah.

**Approved by the Utah Division of Oil, Gas and Mining**

**Date:** May 01, 2013

**By:**

<b>NAME (PLEASE PRINT)</b> Rodrigo Jurado	<b>PHONE NUMBER</b> 435 722-5302	<b>TITLE</b> Regulatory & Compliance Spc
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/22/2013	



**PETROGLYPH OPERATING CO., INC.**  
**UTE TRIBAL #28-06F & UTE TRIBAL #28-06G**  
**LOCATED IN DUCHESNE COUNTY, UTAH**  
**SECTION 28, T5S, R3W, U.S.B.&M.**



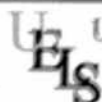
PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: NORTHEASTERLY



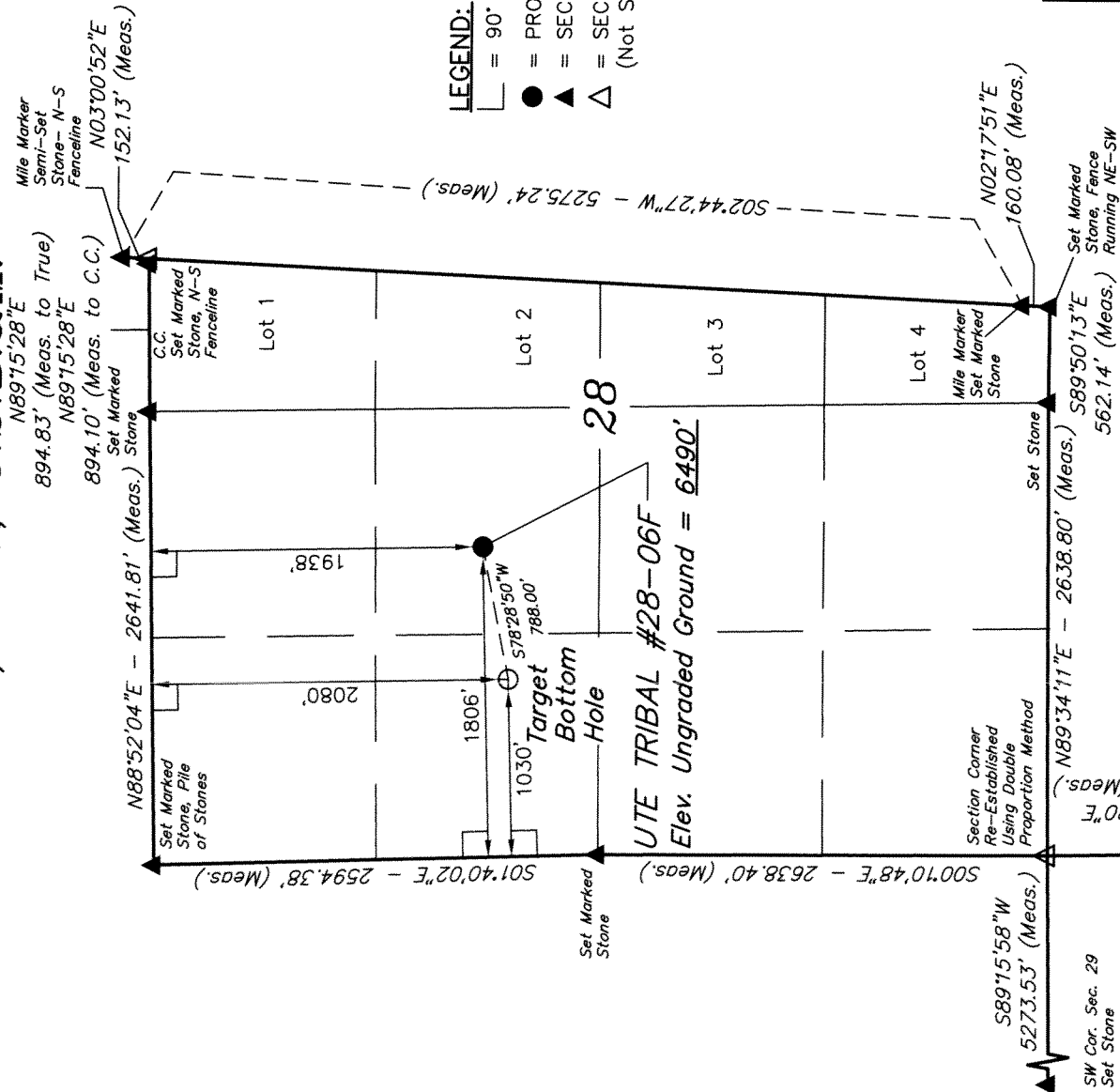
Utah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

LOCATION PHOTOS

01 23 12  
MONTH DAY YEAR

PHOTO

TAKEN BY: A.E. DRAWN BY: A.L. REVISED: 00-00-00



## PETROGLYPH OPERATING CO., INC.

## LOCATION LAYOUT FOR

UTE TRIBAL #28-06F &  
UTE TRIBAL #28-06G  
SECTION 28, T5S, R3W, U.S.B.&M.  
SE 1/4 NW 1/4

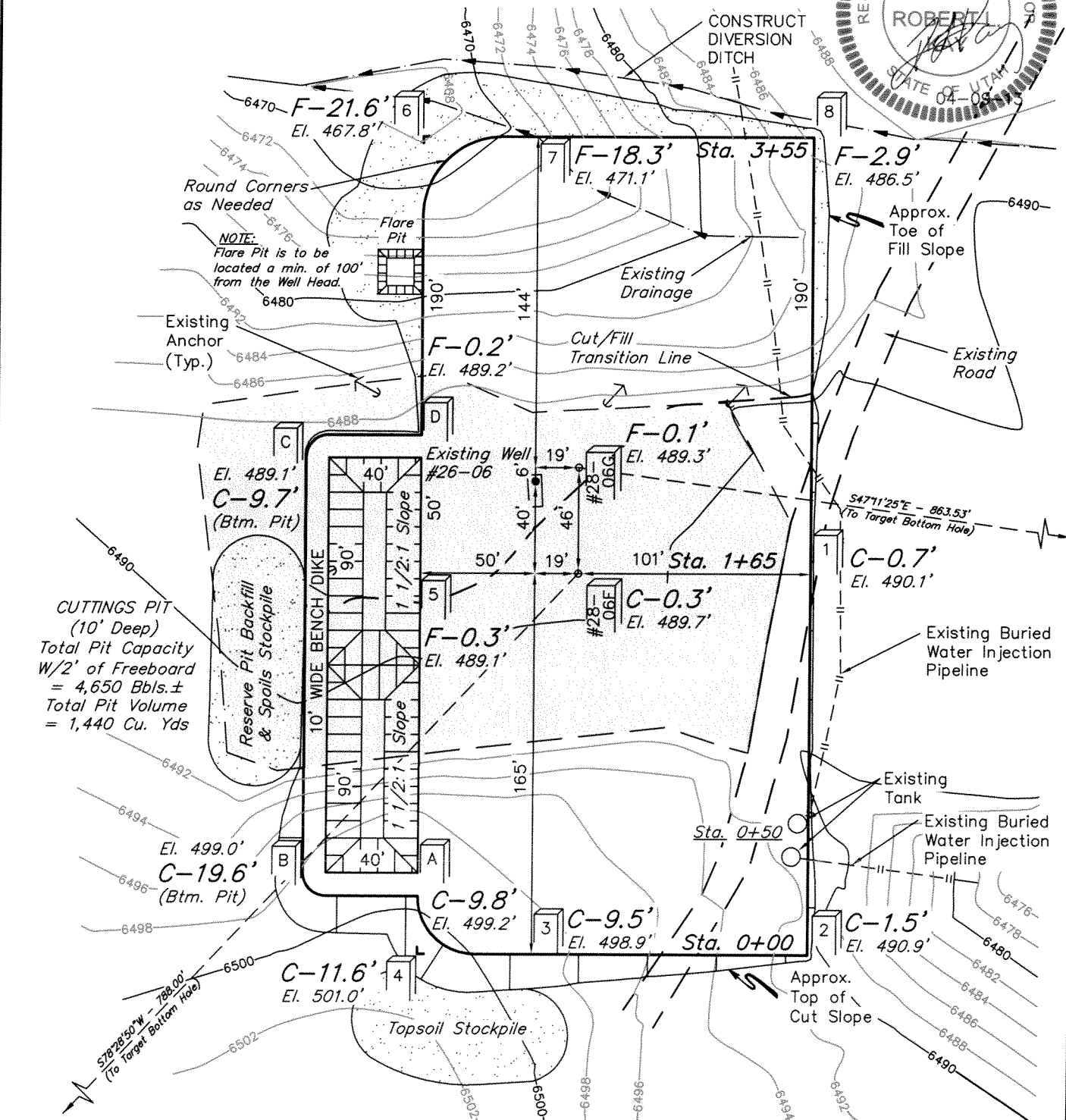
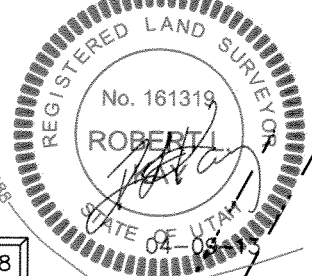
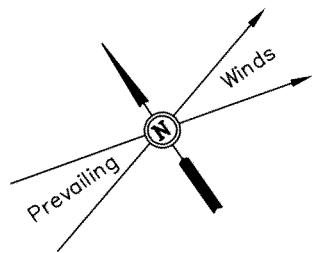
FIGURE #1

SCALE: 1" = 60'

DATE: 12-28-11

DRAWN BY: N.S.

REV: 04-09-13 B.D.H.



Elev. Ungraded Ground At #28-06G Loc. Stake = 6489.3'  
FINISHED GRADE ELEV. AT #28-06G LOC. STAKE = 6489.4'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017



# PETROGLYPH OPERATING CO., INC.

## FIGURE #2

### TYPICAL CROSS SECTIONS FOR

UTE TRIBAL #28-06F &

UTE TRIBAL #28-06G

SECTION 28, T5S, R3W, U.S.B.&M.

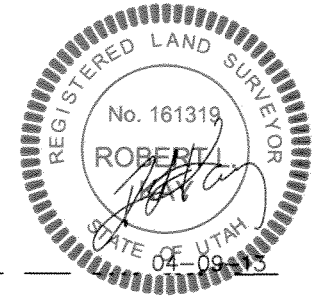
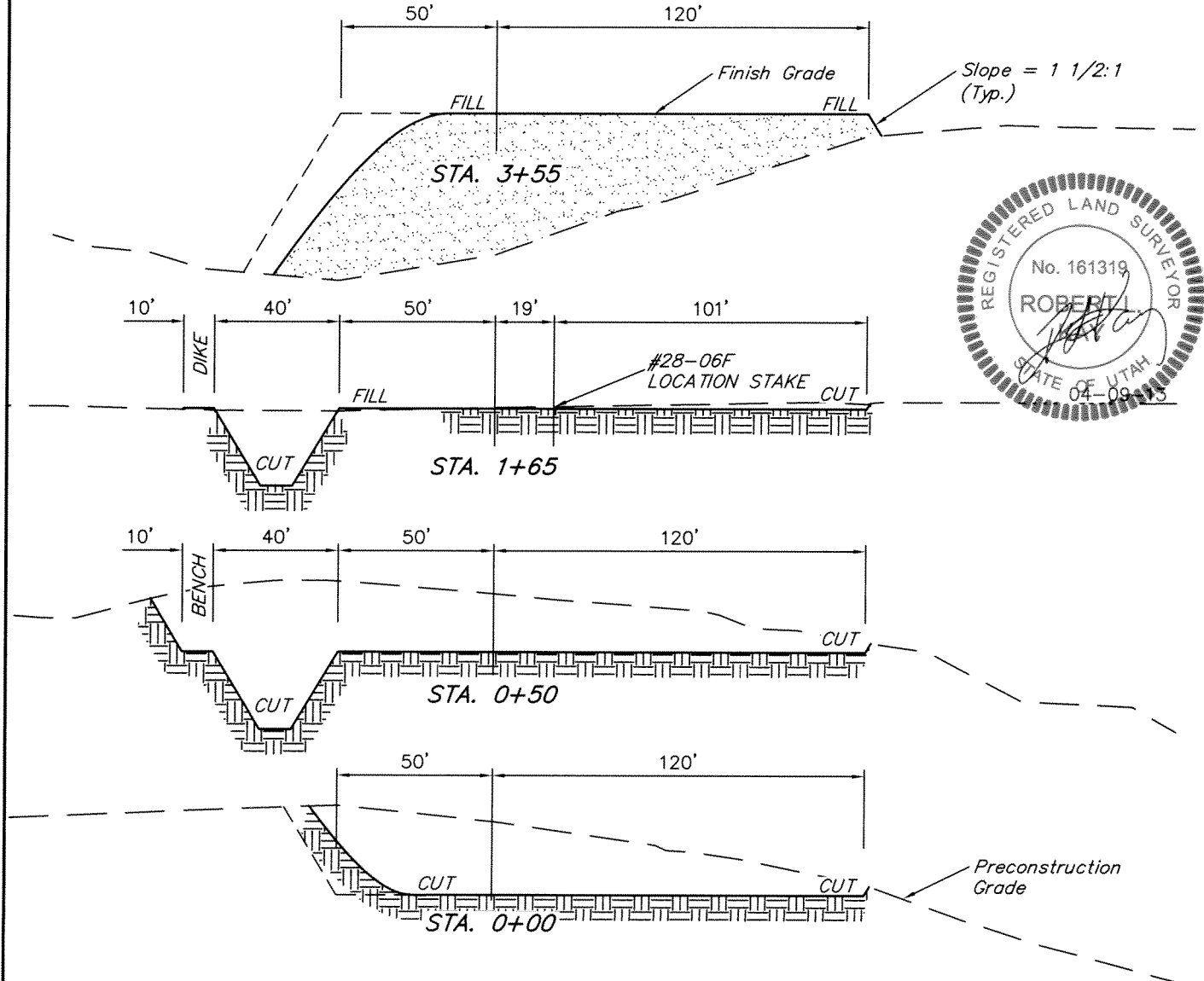
SE 1/4 NW 1/4

1" = 20'  
X-Section  
Scale  
1" = 50'

DATE: 12-28-11

DRAWN BY: N.S.

REV: 04-09-13 B.D.H.



#### NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

#### APPROXIMATE ACREAGES

EXISTING DISTURBANCE

WITHIN PROPOSED WELL SITE = ± 0.846 ACRES

REMAINING PROPOSED

WELL SITE DISTURBANCE = ± 2.601 ACRES

PIPELINE DISTURBANCE = ± 1.069 ACRES

TOTAL = ± 4.516 ACRES

#### \* NOTE:

FILL QUANTITY INCLUDES 5% FOR COMPACTION

#### APPROXIMATE YARDAGES

(12") Topsoil Stripping = 750 Cu. Yds.  
(New Construction Only)

Remaining Location = 5,130 Cu. Yds.

TOTAL CUT = 5,880 CU.YDS.

FILL = 10,180 CU.YDS.

DEFICIT MATERIAL = 4,300 Cu. Yds.

Topsoil & Pit Backfill = 1,470 Cu. Yds.  
(1/2 Pit Vol.)

DEFICIT UNBALANCE = 5,770 Cu. Yds.  
(Obtain Deficit Material from Approved Borrow Area)

UINTAH ENGINEERING & LAND SURVEYING

85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

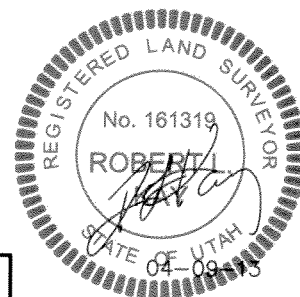
# PETROGLYPH OPERATING CO., INC.

## TYPICAL RIG LAYOUT FOR

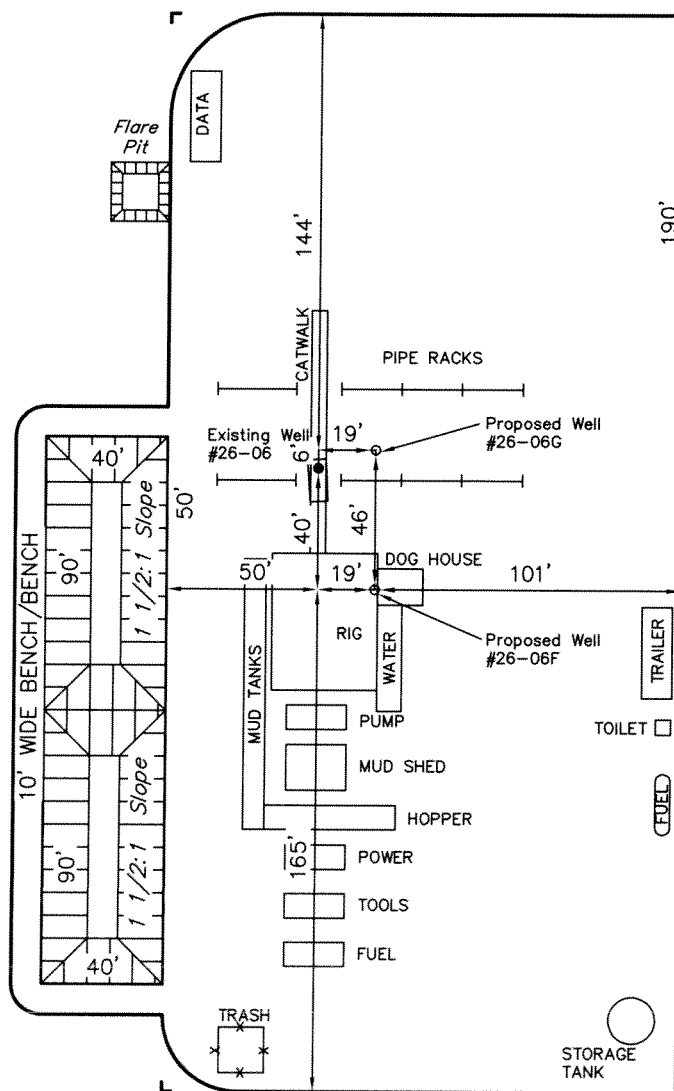
UTE TRIBAL #28-06F &  
UTE TRIBAL #28-06G  
SECTION 28, T5S, R3W, U.S.B.&M.  
SE 1/4 NW 1/4

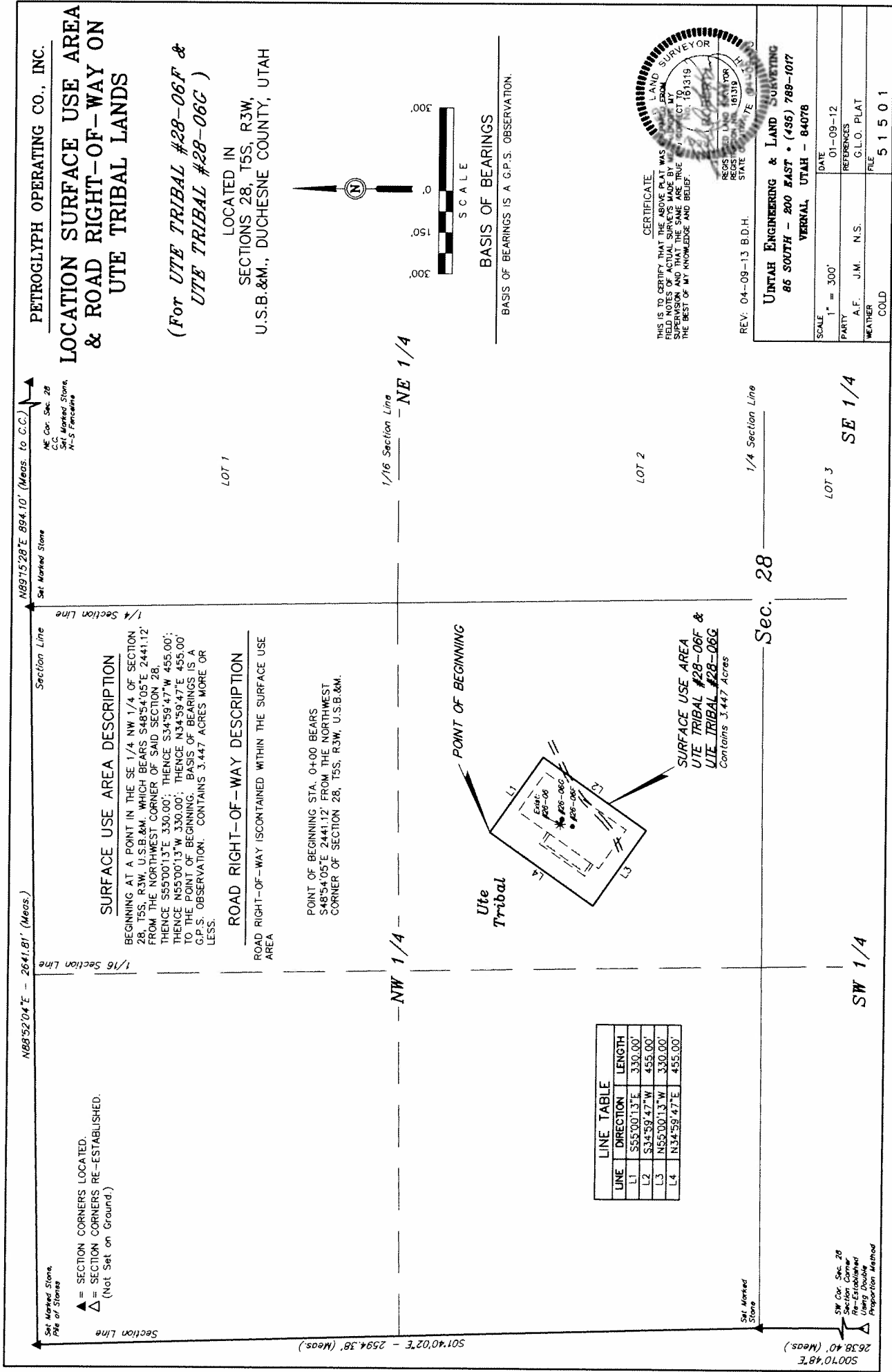
FIGURE #3

SCALE: 1" = 60'  
DATE: 12-28-11  
DRAWN BY: N.S.  
REV: 04-09-13 B.D.H.



CUTTINGS PIT  
(10' Deep)  
Total Pit Capacity  
W/2' of Freeboard  
= 4,650 Bbls.±  
Total Pit Volume  
= 1,440 Cu. Yds





1/16 Section Line

1/4 Section Line

1/16 Section Line

1/16 Section Line

1/16 Section Line

LOCATION SURFACE USE AREA & ROAD RIGHT-OF-WAY ON UTE TRIBAL LANDS

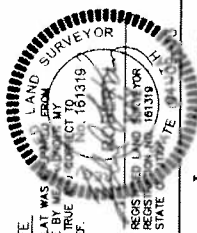
(For UTE TRIBAL #28-06F & UTE TRIBAL #28-06G)

LOCATED IN SECTIONS 28, T5S, R3W, U.S.B.&M., DUCHESNE COUNTY, UTAH



BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF.

RECORDED LAND SURVEYOR  
STATE OF UTAH  
NO. 84078

REV: 04-09-13 B.D.H.

UTAH ENGINEERING & LAND SURVEYING  
86 SOUTH - 200 EAST • (435) 788-1017  
VERNAL, UTAH - 84078

SCALE	1" = 300'	DATE	01-09-12
PARTY	A.F. J.M. N.S.	REFERENCES	G.L.O. PLAT
WEATHER	COLD	FILE	51501

▲ = SECTION CORNERS LOCATED.  
△ = SECTION CORNERS RE-ESTABLISHED.  
(Not Set on Ground.)

Set Marked Stone, File of Stones

Set Marked Stone

SW Cor. Sec. 28  
Section Corner  
Re-established  
Using Double  
Proportion Method

*PETROGLYPH OPERATING CO., INC.  
UTE TRIBAL #28-06F &  
UTE TRIBAL #28-06G  
ROAD RIGHT-OF-WAY & SURFACE USE AREA  
SECTION 28, T5S, R3W, U.S.B.&M.*

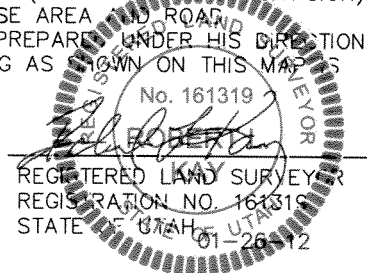
TOTAL ROAD RIGHT-OF-WAY ON UTE TRIBAL LANDS

ROAD RIGHT-OF-WAY IS CONTAINED WITHIN THE SURFACE USE AREA

ENGINEER'S AFFIDAVIT

STATE OF UTAH        }  
COUNTY OF UTAH    } SS

ROBERT L. KAY, BEING FIRST DULY SWORN DEPOSES AND STATES THAT HE IS THE REGISTERED LAND SURVEYOR, FOR PETROGLYPH OPERATING CO., INC., THAT THESE SURVEYS WERE MADE BY HIM (OR UNDER HIS SUPERVISION): THAT HE HAS EXAMINED THE FIELD NOTES OF THE SURVEYS OF THE SURFACE USE AREA AND ROAD RIGHT-OF-WAY AS DESCRIBED AND SHOWN ON THIS MAP, THAT THIS MAP WAS PREPARED UNDER HIS DIRECTION FROM SAID FIELD NOTES; AND THAT SAID RIGHT-OF-WAY, BEGINNING AND ENDING AS SHOWN ON THIS MAP IS ACCURATELY REPRESENTED.



ACKNOWLEDGEMENT

SUBSCRIBED AND SWORN BEFORE ME THIS \_\_\_\_ DAY OF \_\_\_\_\_ 2012.

MY COMMISSION EXPIRES \_\_\_\_\_.

\_\_\_\_\_  
NOTARY PUBLIC  
VERNAL, UTAH

APPLICANT'S CERTIFICATE

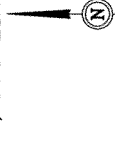
I, ED TROTTER, DO HEREBY CERTIFY THAT I AM THE AGENT FOR PETROGLYPH OPERATING CO., INC., HEREINAFTER DESIGNATED THE APPLICANT; THAT ROBERT L. KAY WHO SUBSCRIBED TO THE FOREGOING AFFIDAVIT, IS EMPLOYED BY THE APPLICANT AS A LAND SURVEYOR AND THAT HE WAS DIRECTED BY THE APPLICANT TO SURVEY THE LOCATION OF THIS SURFACE USE AREA AND ROAD RIGHT-OF-WAY, BEGINNING AND ENDING AS SHOWN, THAT SAID SURFACE USE AREA AND ROAD RIGHT-OF-WAY ARE ACCURATELY REPRESENTED ON THIS MAP; THAT SUCH SURVEY AS REPRESENTED ON THIS MAP HAS BEEN ADOPTED BY THE APPLICANT AS THE DEFINITE LOCATION OF THE RIGHT-OF-WAY THEREBY SHOWN; AND THAT THE MAP HAS BEEN PREPARED TO BE FILED WITH THE SECRETARY OF THE INTERIOR OR HIS DULY AUTHORIZED REPRESENTATIVE AS PART OF THE APPLICATION FOR SAID RIGHT-OF-WAY TO BE GRANTED THE APPLICANT, ITS SUCCESSORS AND ASSIGNS, WITH THE RIGHT TO CONSTRUCT, MAINTAIN, AND REPAIR IMPROVEMENTS, THEREON AND THEREOVER, FOR SUCH PURPOSES, AND WITH THE FURTHER RIGHT IN THE APPLICANT, ITS SUCCESSORS AND ASSIGNS TO TRANSFER THIS RIGHT-OF-WAY BY ASSIGNMENT, GRANT, OR OTHERWISE.

\_\_\_\_\_  
APPLICANT

\_\_\_\_\_  
TITLE

PETROGLYPH OPERATING CO., INC.  
PIPELINE RIGHT-OF-WAY  
ON UTE TRIBAL LANDS  
(For UTE TRIBAL #28-06F &  
UTE TRIBAL #28-06G)

LOCATED IN  
SECTIONS 28, T5S, R3W,  
U.S.B.&M., DUCHESNE COUNTY, UTAH



BASIS OF BEARINGS  
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
UTE TRIBAL	1552.18	1.069	94.07

CERTIFICATE

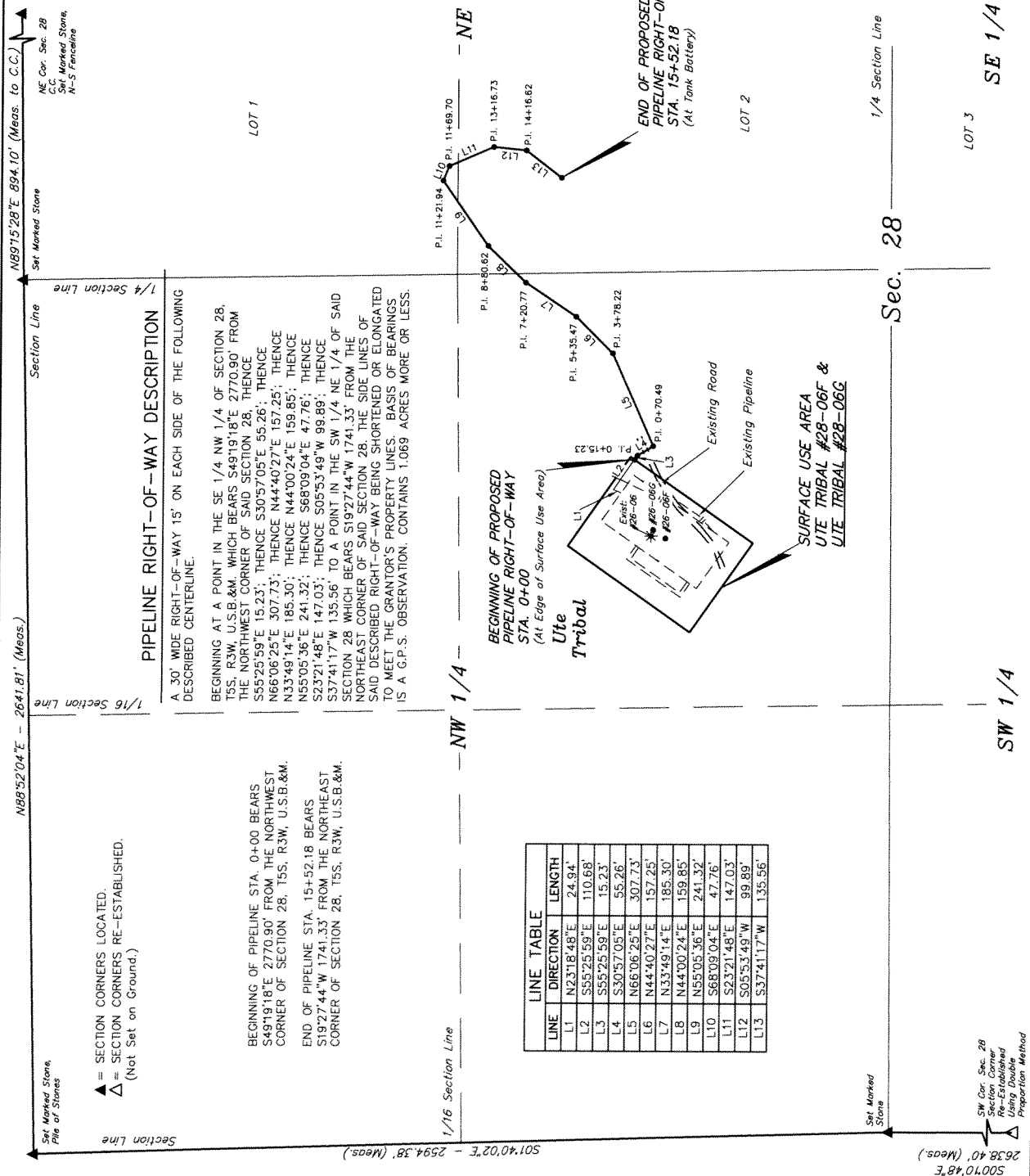
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM THE RECORDS OF THE SURVEY MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
STATE OF UTAH - 161319  
DATE OF PLAT: 04-09-13

REV: 04-09-13 B.D.H.

UTAH ENGINEERING & LAND SURVEYING  
85 SOUTH • 200 EAST • (435) 789-1017  
VERNAL, UTAH - 84078

SCALE	1" = 300'	DATE	01-09-12
PARTY	A.F. J.M. N.S.	REFERENCES	G.L.O. PLAT
WEATHER	COLD	FILE	51502



PIPELINE RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SE 1/4 NW 1/4 OF SECTION 28, T5S, R3W, U.S.B.&M. WHICH BEARS S49°19'18"E 2770.90' FROM THE NORTHWEST CORNER OF SAID SECTION 28, THENCE S55°25'59"E 15.23'; THENCE S30°57'05"E 55.26'; THENCE N66°06'25"E 307.73'; THENCE N44°40'27"E 157.25'; THENCE N33°49'14"E 185.30'; THENCE N44°00'24"E 159.85'; THENCE N55°05'36"E 241.32'; THENCE S68°09'04"E 47.76'; THENCE S23°21'48"E 147.03'; THENCE S05°53'49"W 99.89'; THENCE S37°41'17"W 135.56' TO A POINT IN THE SW 1/4 NE 1/4 OF SAID SECTION 28 WHICH BEARS S19°27'44"W 1741.33' FROM THE NORTHEAST CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 1.069 ACRES MORE OR LESS.

BEGINNING OF PIPELINE STA. 0+00 BEARS S49°19'18"E 2770.90' FROM THE NORTHWEST CORNER OF SECTION 28, T5S, R3W, U.S.B.&M.  
END OF PIPELINE STA. 15+52.18 BEARS S19°27'44"W 1741.33' FROM THE NORTHEAST CORNER OF SECTION 28, T5S, R3W, U.S.B.&M.

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N23°18'48"E	24.94'
L2	S55°25'59"E	110.68'
L3	S30°57'05"E	15.23'
L4	S30°57'05"E	55.26'
L5	N66°06'25"E	307.73'
L6	N44°40'27"E	157.25'
L7	N33°49'14"E	185.30'
L8	N44°00'24"E	159.85'
L9	N55°05'36"E	241.32'
L10	S68°09'04"E	47.76'
L11	S23°21'48"E	147.03'
L12	S05°53'49"W	99.89'
L13	S37°41'17"W	135.56'

▲ = SECTION CORNERS LOCATED.  
△ = SECTION CORNERS RE-ESTABLISHED.  
(Not Set on Ground.)

SW Cor. Sec. 28  
Section Corner  
Re-Established  
Proportion Method

*PETROGLYPH OPERATING CO., INC.  
UTE TRIBAL #28-06F &  
UTE TRIBAL #28-06G  
PIPELINE RIGHT-OF-WAY  
SECTION 28, T5S, R3W, U.S.B.&M.*

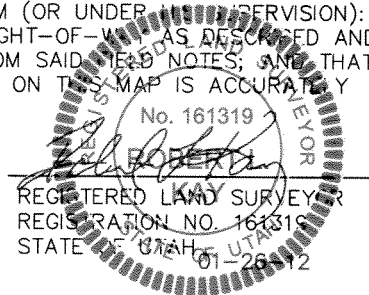
TOTAL PIPELINE RIGHT-OF-WAY ON UTE TRIBAL LANDS

TOTAL LENGTH OF RIGHT-OF-WAY IS 1552.18' OR 0.294 MILES. WIDTH OF RIGHT-OF-WAY IS 30' (15' PERPENDICULAR ON EACH SIDE OF THE CENTERLINE). CONTAINS 1.069 ACRES MORE OR LESS.

ENGINEER'S AFFIDAVIT

STATE OF UTAH        )  
                          ) SS  
COUNTY OF UTAH    )

ROBERT L. KAY, BEING FIRST DULY SWORN DEPOSES AND STATES THAT HE IS THE REGISTERED LAND SURVEYOR, FOR PETROGLYPH OPERATING CO., INC. THAT THESE SURVEYS WERE MADE BY HIM (OR UNDER HIS SUPERVISION): THAT HE HAS EXAMINED THE FIELD NOTES OF THE SURVEYS OF THE PIPELINE RIGHT-OF-WAY AS DESCRIBED AND SHOWN ON THIS MAP, THAT THIS MAP WAS PREPARED UNDER HIS DIRECTION FROM SAID FIELD NOTES; AND THAT SAID RIGHT-OF-WAY, 0.294 MILES IN LENGTH BEGINNING AND ENDING AS SHOWN ON THIS MAP IS ACCURATELY REPRESENTED.



ACKNOWLEDGEMENT

SUBSCRIBED AND SWORN BEFORE ME THIS \_\_\_\_ DAY OF \_\_\_\_\_ 2012.

MY COMMISSION EXPIRES \_\_\_\_\_.

\_\_\_\_\_  
NOTARY PUBLIC  
VERNAL, UTAH

APPLICANT'S CERTIFICATE

I, ED TROTTER, DO HEREBY CERTIFY THAT I AM THE AGENT FOR PETROGLYPH OPERATING CO., INC., HEREINAFTER DESIGNATED THE APPLICANT; THAT ROBERT L. KAY WHO SUBSCRIBED TO THE FOREGOING AFFIDAVIT, IS EMPLOYED BY THE APPLICANT AS A LAND SURVEYOR AND THAT HE WAS DIRECTED BY THE APPLICANT TO SURVEY THE LOCATION OF THIS PIPELINE RIGHT-OF-WAY, 0.294 MILES IN LENGTH BEGINNING AT STA. 0+00 AND ENDING AT STA. 15+52.18, THAT SAID PIPELINE RIGHT-OF-WAY IS ACCURATELY REPRESENTED ON THIS MAP; THAT SUCH SURVEY AS REPRESENTED ON THIS MAP HAS BEEN ADOPTED BY THE APPLICANT AS THE DEFINITE LOCATION OF THE RIGHT-OF-WAY THEREBY SHOWN; AND THAT THE MAP HAS BEEN PREPARED TO BE FILED WITH THE SECRETARY OF THE INTERIOR OR HIS DULY AUTHORIZED REPRESENTATIVE AS PART OF THE APPLICATION FOR SAID RIGHT-OF-WAY TO BE GRANTED THE APPLICANT, ITS SUCCESSORS AND ASSIGNS, WITH THE RIGHT TO CONSTRUCT, MAINTAIN, AND REPAIR IMPROVEMENTS, THEREON AND THEREOVER, FOR SUCH PURPOSES, AND WITH THE FURTHER RIGHT IN THE APPLICANT, ITS SUCCESSORS AND ASSIGNS TO TRANSFER THIS RIGHT-OF-WAY BY ASSIGNMENT, GRANT, OR OTHERWISE.

\_\_\_\_\_  
APPLICANT

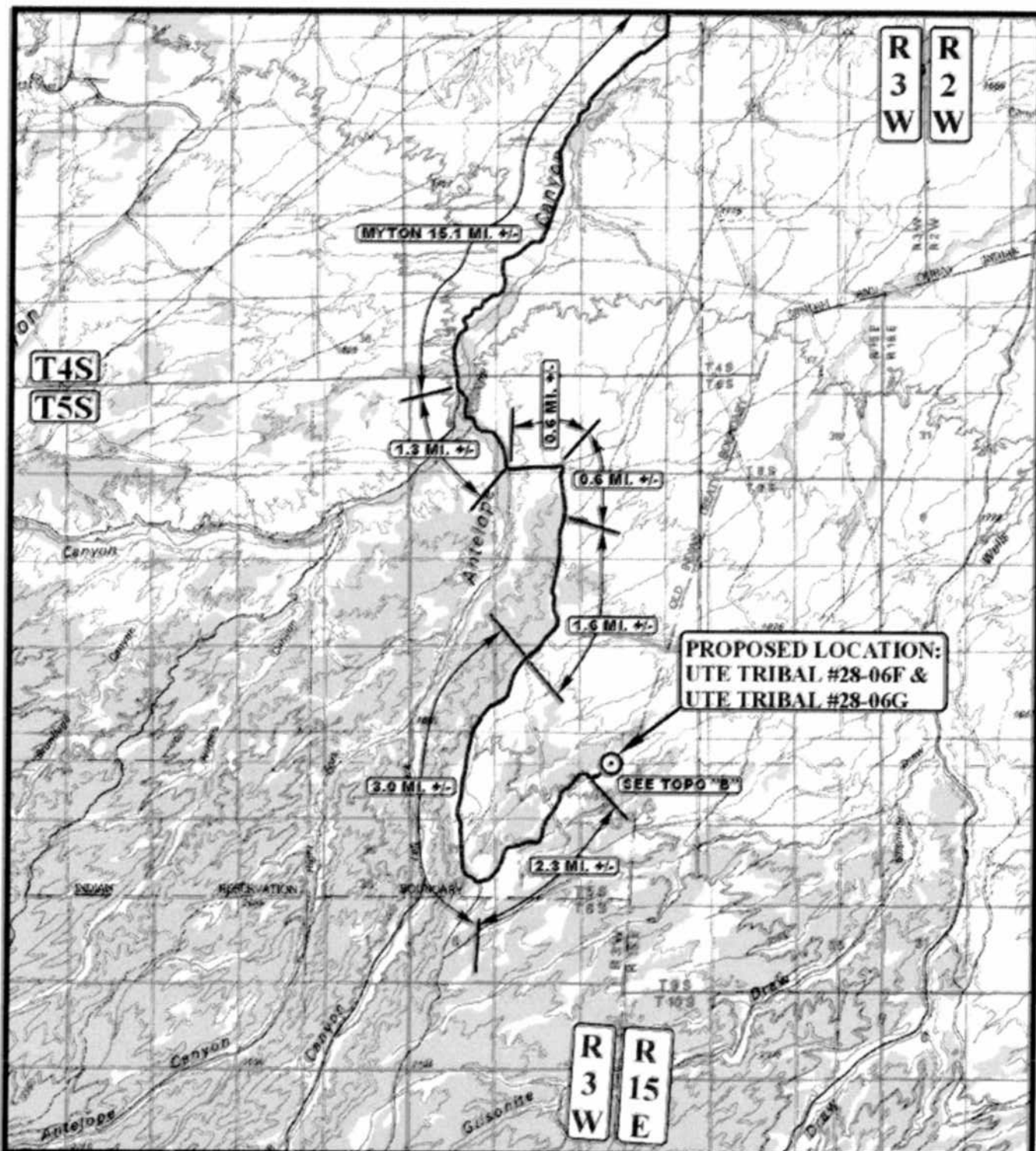
\_\_\_\_\_  
TITLE

PETROGLYPH OPERATING CO., INC.  
UTE TRIBAL #28-06F & UTE TRIBAL #28-06G  
SECTION 28, T5S, R3W, U.S.B.&M.

PROCEED IN A SOUTHWESTERLY DIRECTION FROM MYTON, UTAH ALONG HIGHWAY 40 APPROXIMATELY 8.8 MILES TO THE JUNCTION OF THIS ROAD AND ANTELOPE CANYON ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION ALONG THE ANTELOPE CANYON ROAD APPROXIMATELY 6.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 1.3 MILES TO THE JUNCTION OF THIS ROAD AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED SOUTHERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 1.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 3.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE TO NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 2.3 MILES TO THE BEGINNING OF THE EXISTING ACCESS ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM MYTON, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 24.8 MILES.





**LEGEND:**

⊙ PROPOSED LOCATION

N

**PETROGLYPH OPERATING CO., INC.**

**UTE TRIBAL #28-06F & UTE TRIBAL #28-06G**

**SECTION 28, T5S, R3W, U.S.B.&M.**

**SE 1/4 NW 1/4**



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1917 • FAX (435) 789-1913

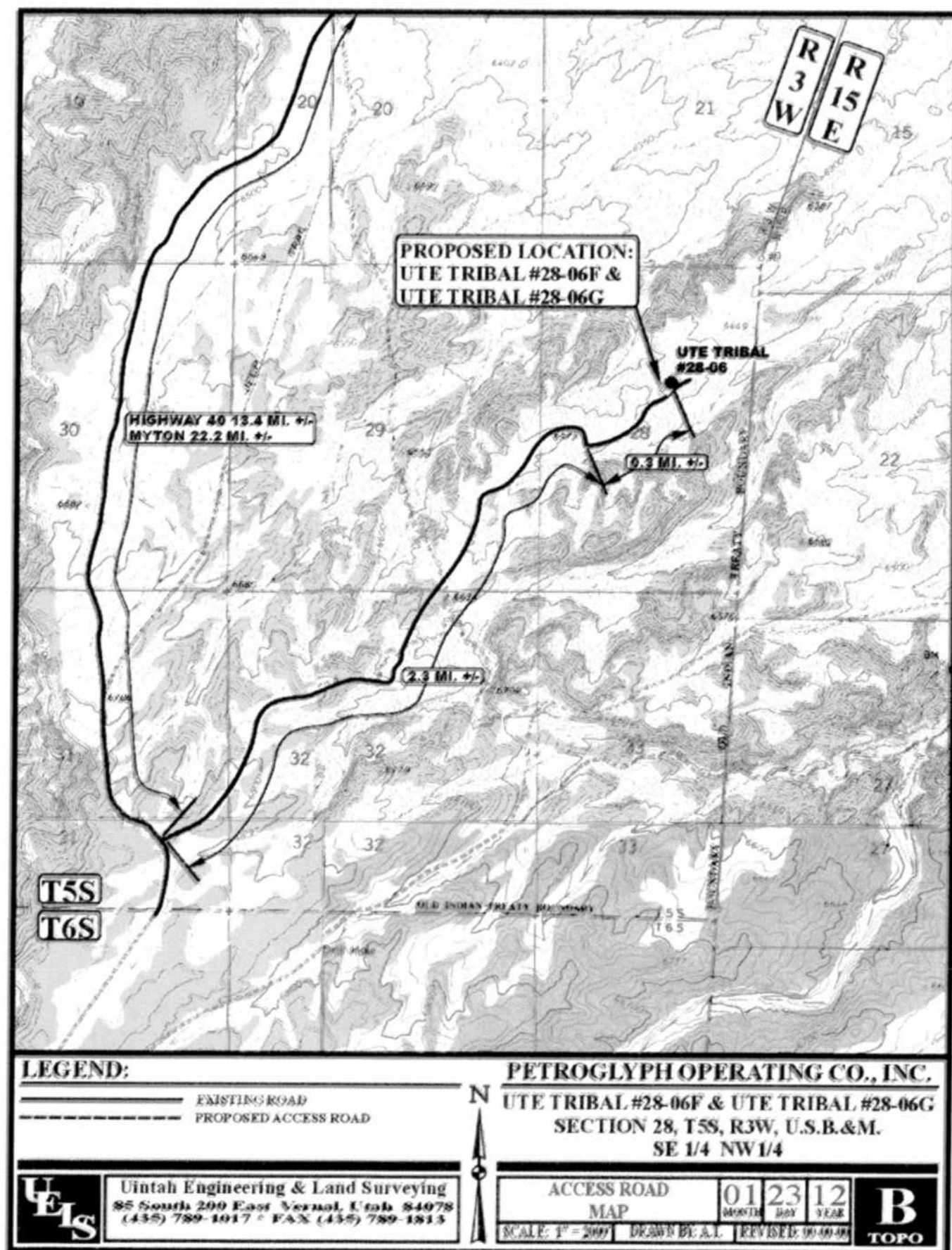
ACCESS ROAD

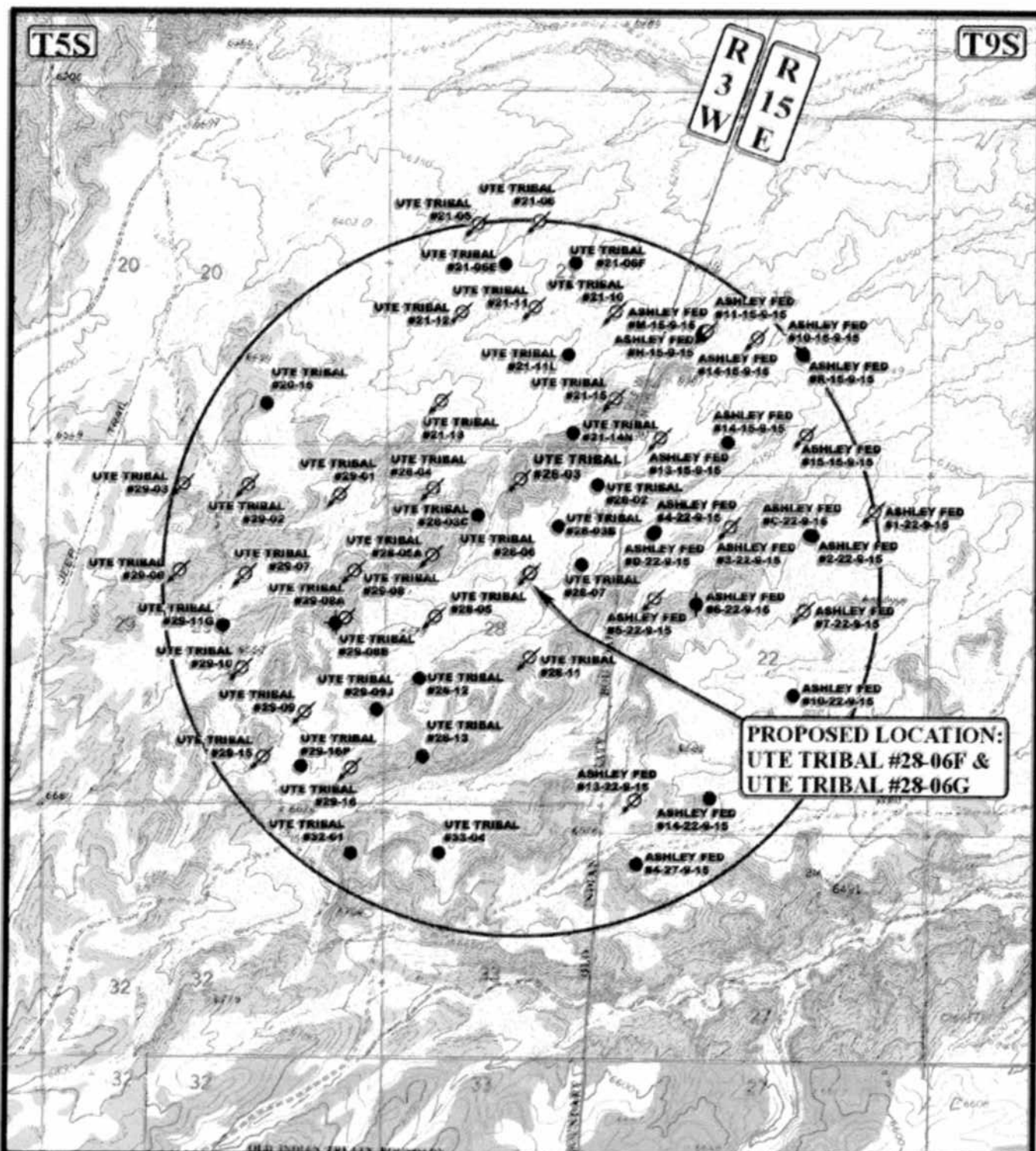
MAP

01 23 12  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: A.L. REVISED: 00-00-00

**A**  
**TOPO**





**LEGEND:**

- |                   |                         |
|-------------------|-------------------------|
| ○ DISPOSAL WELLS  | ● ABANDONED WELLS       |
| ● PRODUCING WELLS | ● TEMPORARILY ABANDONED |
| ● SHUT IN WELLS   |                         |



**PETROGLYPH OPERATING CO., INC.**

**UTE TRIBAL #28-06F & UTE TRIBAL #28-06G**  
 SECTION 28, T5S, R3W, U.S.B.&M.  
 SE 1/4 NW 1/4



**Utah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 • FAX (435) 789-1813

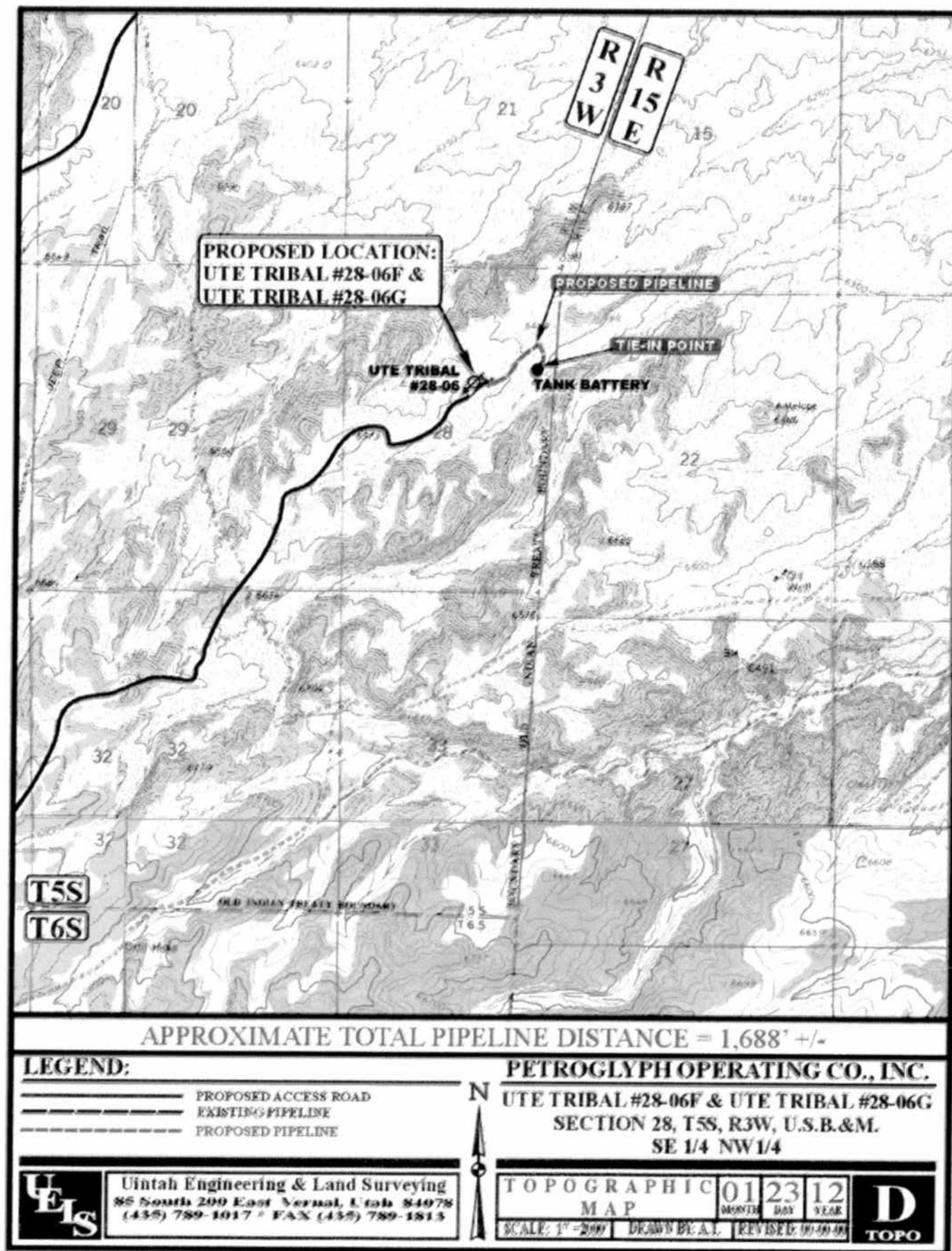
**TOPOGRAPHIC**  
**MAP**

**01 23 12**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: A.L. REVISED: 05-05-05







CONFIDENTIAL

Print Form

BLM - Vernal Field Office - Notification Form

Operator Petroglyph Operating Co. Rig Name/# Aztec 673  
Submitted By Geno Rowland Phone Number 970-361-3271  
Well Name/Number Ute Tribal 28-06F  
Qtr/Qtr SE/NW Section 28 Township 5S Range 3W  
Lease Serial Number 14-20-H62-3517  
API Number 43-013-51532

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time \_\_\_\_\_ AM ☐ PM ☐

BOPE

- ☒ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

RECEIVED

MAY 15 2013

DIV. OF OIL, GAS & MINING

Date/Time 05/16/2013 06:00 AM ☒ PM ☐

Remarks Testing an 11"x 3K Townsend Stack.

CONFIDENTIAL

Print Form

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Petroglyph Operating Co. Rig Name/# Aztec 673  
Submitted By Geno Rowland Phone Number 970-361-3271  
Well Name/Number Ute Tribal 28-06F  
Qtr/Qtr SE/NW Section 28 Township 5S Range 3W  
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Date/Time \_\_\_\_\_ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing  
☐ Intermediate Casing  
☒ Production Casing  
☐ Liner  
☐ Other

Date/Time 05/20/2013 05:00 AM ☒ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point  
☐ BOPE test at intermediate casing point  
☐ 30 day BOPE test  
☐ Other

RECEIVED

MAY 19 2013

DIV. OF OIL, GAS & MINING

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Remarks Running 5-1/2" Prod. Casing to a shoe depth of 6028' MD.



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-3517			
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> Ute In			
<b>2. NAME OF OPERATOR:</b> PETROGLYPH OPERATING CO		<b>7. UNIT or CA AGREEMENT NAME:</b> ANTELOPE CREEK			
<b>3. ADDRESS OF OPERATOR:</b> 960 Broadway Avenue, Ste 500, Boise, ID, 83703		<b>8. WELL NAME and NUMBER:</b> UTE TRIBAL 28-06F			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1938 FNL 1806 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 28 Township: 05.0S Range: 03.0W Meridian: U		<b>9. API NUMBER:</b> 43013515320000			
<b>PHONE NUMBER:</b> 208 685-7685 Ext		<b>9. FIELD and POOL or WILDCAT:</b> ANTELOPE CREEK			
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>  <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 6/25/2013  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<b>TYPE OF ACTION</b>  <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input checked="" type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION          OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>			
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>  <div style="display: flex; justify-content: space-between;"> <div style="width: 70%;"> <p>On or around 6/25/2013, depending on equipment availability, Petroglyph Operating intends to perforate and fracture treat the above referenced well. We intend to perforate the following: 4672-74, 4723-40, 4778-87, 4873-79, 4933-35, 5153-69, 5496-5506, 5566-68, 5571-75, 5601-05 &amp; 5638-46. We intend to perforate using Titan 3-1/8" perf guns containing 22.7 gram charges, 0.42" EHD, 23.54" TTP @ 4 spf @ 120* phased. We will isolate zones using Halliburton 8K Composite Plugs and frac using Delta 140 15# gelled fluid containing 20/40 mesh sand. Volumes and amounts will be reported at a later date. All plugs will be drilled out and the well cleaned out as needed before being put to production.</p> </div> <div style="width: 25%; text-align: right;"> <p><b>Accepted by the</b>  <b>Utah Division of</b>  <b>Oil, Gas and Mining</b></p> <p><b>Date:</b> June 20, 2013</p> <p><b>By:</b> <u><i>Derek Quist</i></u></p> </div> </div>					
<b>NAME (PLEASE PRINT)</b> Rodrigo Jurado		<b>PHONE NUMBER</b> 435 722-5302			
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory & Compliance Spc			
<b>DATE</b> 6/19/2013					

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-3517
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> Ute In
<b>2. NAME OF OPERATOR:</b> PETROGLYPH OPERATING CO		<b>7. UNIT or CA AGREEMENT NAME:</b> ANTELOPE CREEK
<b>3. ADDRESS OF OPERATOR:</b> 960 Broadway Avenue, Ste 500 , Boise, ID, 83703		<b>8. WELL NAME and NUMBER:</b> UTE TRIBAL 28-06F
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1938 FNL 1806 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 28 Township: 05.0S Range: 03.0W Meridian: U		<b>9. API NUMBER:</b> 43013515320000
<b>9. FIELD and POOL or WILDCAT:</b> ANTELOPE CREEK		<b>COUNTY:</b> DUCHESNE
<b>STATE:</b> UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>7/9/2013</b>	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	OTHER: <input style="width: 100px;" type="text"/>		
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF			
<input type="checkbox"/> DRILLING REPORT Report Date:				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  

The date of first production for this well was 7/9/2013.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 July 12, 2013

<b>NAME (PLEASE PRINT)</b> Rodrigo Jurado	<b>PHONE NUMBER</b> 435 722-5302	<b>TITLE</b> Regulatory & Compliance Spc
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/12/2013	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-3517
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> Ute In
<b>2. NAME OF OPERATOR:</b> PETROGLYPH OPERATING CO		<b>7. UNIT or CA AGREEMENT NAME:</b> ANTELOPE CREEK
<b>3. ADDRESS OF OPERATOR:</b> 960 Broadway Avenue, Ste 500 , Boise, ID, 83703		<b>8. WELL NAME and NUMBER:</b> UTE TRIBAL 28-06F
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1938 FNL 1806 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 28 Township: 05.0S Range: 03.0W Meridian: U		<b>9. API NUMBER:</b> 43013515320000
<b>9. FIELD and POOL or WILDCAT:</b> ANTELOPE CREEK		<b>COUNTY:</b> DUCHESNE
<b>STATE:</b> UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input checked="" type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION	OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>7/2/2013</b>				
<input type="checkbox"/> SPUD REPORT Date of Spud:				
<input type="checkbox"/> DRILLING REPORT Report Date:				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  

Please see attached.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 August 30, 2013**

<b>NAME (PLEASE PRINT)</b> Rodrigo Jurado	<b>PHONE NUMBER</b> 435 722-5302	<b>TITLE</b> Regulatory & Compliance Spc
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/1/2013	

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-3517
2. NAME OF OPERATOR: Petroglyph Operating Company Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe
3. ADDRESS OF OPERATOR: P.O. Box 607 CITY Roosevelt STATE UT ZIP 84066		7. UNIT or CA AGREEMENT NAME: 14-20-H62-4650
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1938' FNL 1806' FWL COUNTY: Duchesne		8. WELL NAME and NUMBER: Ute Tribal 28-06F
PHONE NUMBER: (435) 722-2531		9. API NUMBER: 4301351532
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 28 5S 3W U		10. FIELD AND POOL, OR WILDCAT: Antelope Creek
		STATE: UTAH

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input checked="" type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 7/2/2013	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

## 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 6/17/2013 Petroglyph Operating ran GR/CBL and found ETOC @ 112', then perforated the following: 5638-46, 5601-05, 5571-75, 5566-68, 5496-5506, 5153-69, 4933-35, 4873-79, 4778-87, 4723-40 & 4672-74. We isolated and fracture treated the following intervals:

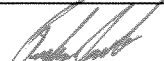
5,496'-5,646': 857 Bbls of fluid containing 75,781#s of sand,

5,153'-5,169': 671 Bbls of fluid containing 43,200#s of sand,

4,873'-4,935': 407 Bbls of fluid containing 22,200#s of sand,

4,672'-4,787': 752 Bbls of fluid containing 72,890#s of sand.

Isolation plugs used were Halliburton 8K Composite Plugs, fluid used was Delta 140 18# gelled fluid, sand used was 20/40 Mesh Premium White Sand and guns used were Titan 3-1/8", containing 22.7 gram charges, 0.42" EHD, 23.54" TTP @ 4 SPF @ 120\* Phased. All plugs were drilled out and cleaned out to PBTD, 5,951'. We then ran a pump on 7/2/2013 and put to pump.

NAME (PLEASE PRINT) <u>Rodrigo Jurado</u>	TITLE <u>Regulatory Compliance Specialist</u>
SIGNATURE 	DATE <u>8/1/2013</u>

(This space for State use only)

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8  
(highlight changes)5. LEASE DESIGNATION AND SERIAL NUMBER:  
1420H6235176. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Ute Indian Tribe7. UNIT or CA AGREEMENT NAME  
1420H6246508. WELL NAME and NUMBER:  
Ute Tribal 28-06F9. API NUMBER:  
430135153210. FIELD AND POOL, OR WILDCAT  
Antelope Creek11. QTR/QTR, SECTION, TOWNSHIP, RANGE,  
MERIDIAN:  
SENEW 28 5S 3W U12. COUNTY  
Duchesne13. STATE  
UTAH

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER \_\_\_\_\_  
b. TYPE OF WORK: NEW WELL ☒ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER \_\_\_\_\_2. NAME OF OPERATOR:  
Petroglyph Operating Company, Inc.3. ADDRESS OF OPERATOR: P.O. Box 607 CITY Roosevelt STATE UT ZIP 84066  
PHONE NUMBER: (435) 722-25314. LOCATION OF WELL (FOOTAGES)  
AT SURFACE: 1938' FNL, 1806' FWL  
AT TOP PRODUCING INTERVAL REPORTED BELOW: 2090' FNL, 1130' FWL SW/NW Sec 28  
AT TOTAL DEPTH: 2103' FNL, 1151' FWL SW/NW Sec 2814. DATE SPUDDED: 4/23/2013  
15. DATE T.D. REACHED: 5/19/2013  
16. DATE COMPLETED: 7/2/2013  
ABANDONED ☐ READY TO PRODUCE ☒17. ELEVATIONS (DF, RKB, RT, GL):  
6503' RKB18. TOTAL DEPTH: MD 6,038  
TVD 5,958  
19. PLUG BACK T.D.: MD 5,951  
TVD 5,871  
20. IF MULTIPLE COMPLETIONS, HOW MANY? \*  
21. DEPTH BRIDGE MD  
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

ACTR, SDDSN, Borehole Volume Plot, Cement Bond Log

23.  
WAS WELL CORED? NO ☒ YES ☐ (Submit analysis)  
WAS DST RUN? NO ☒ YES ☐ (Submit report)  
DIRECTIONAL SURVEY? NO ☐ YES ☒ (Submit copy)

## 24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
26	16 K-55	75	0	74				0	Conductor
12.25	8.625 J-55	24	0	523		G 335	69	0	
7.875	5.5 J-55	15.5	0	6,028		G 903	275	112'	CBL

## 25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	5,668							

## 26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Green River	4,672	5,646	4,592	5,566	4,672 5,646	0.42	320	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

## 27. PERFORATION RECORD

## 28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
4,672'-5,646'	2,687 Bbls of Delta 140 18# gelled fluid containing 214,071#'s of 20/40 Mesh Sand.

## 29. ENCLOSED ATTACHMENTS:

☒ ELECTRICAL/MECHANICAL LOGS  
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION  
☐ GEOLOGIC REPORT  
☐ CORE ANALYSIS  
☐ DST REPORT  
☒ DIRECTIONAL SURVEY  
☒ OTHER: UDOGM Form 7

## 30. WELL STATUS:

POW

## 31. INITIAL PRODUCTION

## INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 7/9/2013		TEST DATE: 7/25/2013		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 31	GAS – MCF: 277	WATER – BBL: 170	PROD. METHOD: Rod Pump
CHOKE SIZE: 28/64	TBG. PRESS. 80	CSG. PRESS. 330	API GRAVITY 41.50	BTU – GAS 1	GAS/OIL RATIO 8,935	24 HR PRODUCTION RATES: →	OIL – BBL: 31	GAS – MCF: 277	WATER – BBL: 170	INTERVAL STATUS: Open

## INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## 32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Used for Fuel

## 33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Green River	1,640
				Trona	2,825
				Mahogany	2,970
				Garden Gulch	3,682
				B Marker	4,074
				X Marker	4,552
				Y Marker	4,590
				Douglas Creek	4,696
				B Lime	5,066
				Castle Peak	5,620

## 35. ADDITIONAL REMARKS (Include plugging procedure)

All Frac and Perf info is condensed. Please see NOI and Subsequent Frac Sundry for a detailed record.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Rodrigo JuradoTITLE Regulatory Compliance SpecialistSIGNATURE DATE 8/16/13

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 7

## REPORT OF WATER ENCOUNTERED DURING DRILLING

Well name and number: Ute Tribal 28-06FAPI number: 4301351532Well Location: QQ SENW Section 28 Township 5S Range 3W County DuchesneWell operator: Petroglyph Operating Company, Inc.Address: P.O. Box 607city Roosevelt state UT zip 84066Phone: (435) 722-2531Drilling contractor: ProPetro ServicesAddress: 1422 East 1500 Southcity Vernal state UT zip 84078Phone: (435) 789-1735

Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
0	515	0	No Water Encountered

Formation tops:  
(Top to Bottom)

1	2	3
4	5	6
7	8	9
10	11	12

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

NAME (PLEASE PRINT) Rodrigo JuradoTITLE Regulatory Compliance SpecialistSIGNATURE DATE 5/3/2013



Job Number: UT131009  
 Company: Petroglyph  
 Lease/Well: Ute Tribal\_28-06F  
 Location: Sec. 28, T5S, R3W  
 Rig Name: Aztec #673  
 RKB: 6504'  
 G.L. or M.S.L.: GL\_6489'

State/Country: Utah/USA  
 Declination: 11.13  
 Grid: True  
 File name: C:\DOCUME~1\PAYZONE\DESKTOP\UTETRI~1\UT131009.SVY  
 Date/Time: 19-May-13 / 12:26  
 Curve Name: Ute Tribal\_28-06F\_Actual

WINSERVE SURVEY CALCULATIONS  
 Minimum Curvature Method  
 Vertical Section Plane 256.60  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
527.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
527.00	1.23	20.53	526.96	5.30	1.98	-3.16	5.66	20.53	.23
587.00	1.14	14.12	586.95	6.48	2.36	-3.79	6.89	19.98	.27
647.00	1.05	358.26	646.94	7.61	2.48	-4.18	8.00	18.08	.52
708.00	.92	319.50	707.93	8.54	2.15	-4.07	8.80	14.13	1.09
768.00	1.23	253.71	767.92	8.72	1.22	-3.21	8.81	7.95	1.99
829.00	1.93	255.73	828.90	8.29	-.41	-1.53	8.30	357.20	1.15
890.00	2.42	252.21	889.85	7.64	-2.63	.79	8.08	341.02	.83
950.00	2.91	244.59	949.79	6.60	-5.21	3.54	8.41	321.72	1.01
1012.00	3.96	236.00	1011.67	4.73	-8.41	7.08	9.64	299.35	1.88
1074.00	4.53	242.02	1073.50	2.38	-12.34	11.46	12.57	280.92	1.17

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
1136.00	5.32	239.57	1135.28	-22	-16.98	16.57	16.99	269.25	1.32
1198.00	6.00	242.80	1196.97	-3.16	-22.34	22.47	22.57	261.95	1.21
1260.00	6.81	247.64	1258.59	-6.04	-28.63	29.25	29.26	258.09	1.57
1322.00	7.56	247.60	1320.10	-8.99	-35.80	36.91	36.91	255.90	1.21
1385.00	8.57	250.60	1382.47	-12.13	-44.06	45.67	45.70	254.61	1.74
1447.00	9.36	255.47	1443.72	-14.93	-53.29	55.30	55.35	254.35	1.77
1509.00	10.32	259.60	1504.81	-17.20	-63.64	65.89	65.92	254.88	1.92
1571.00	11.29	259.20	1565.71	-19.34	-75.06	77.50	77.51	255.55	1.57
1633.00	12.35	259.70	1626.39	-21.66	-87.55	90.18	90.19	256.10	1.72
1695.00	12.88	260.00	1686.89	-24.05	-100.88	103.70	103.70	256.59	1.86
1757.00	13.14	257.70	1747.30	-26.75	-114.57	117.65	117.65	256.86	1.93
1819.00	13.68	254.60	1807.61	-30.20	-128.52	132.02	132.02	256.78	1.45
1881.00	14.19	250.24	1867.79	-34.71	-142.74	146.90	146.90	256.33	1.88
1943.00	14.63	250.00	1927.84	-39.96	-157.25	162.23	162.25	255.74	1.72
2005.00	15.07	251.60	1987.77	-45.18	-172.26	178.04	178.08	255.30	1.97
2067.00	15.34	252.30	2047.60	-50.22	-187.72	194.24	194.32	255.02	1.53
2129.00	15.50	254.02	2107.37	-54.99	-203.49	210.70	210.79	254.88	1.78
2191.00	15.50	255.60	2167.11	-59.33	-219.48	227.26	227.36	254.87	1.68
2253.00	16.04	256.60	2226.78	-63.38	-235.84	244.11	244.21	254.96	1.98
2316.00	16.13	258.80	2287.31	-67.10	-252.89	261.55	261.64	255.14	1.98
2378.00	16.44	259.79	2346.82	-70.32	-269.97	278.92	278.98	255.40	1.67
2440.00	15.86	259.25	2406.38	-73.46	-286.93	296.14	296.18	255.64	1.97
2501.00	15.51	257.58	2465.11	-76.77	-303.09	312.62	312.66	255.79	1.94
2564.00	15.15	254.96	2525.87	-80.72	-319.26	329.28	329.31	255.81	1.24
2626.00	15.25	257.36	2585.70	-84.60	-335.04	345.53	345.56	255.83	1.03
2688.00	15.41	257.16	2645.49	-88.22	-351.03	361.92	361.95	255.89	1.27
2750.00	15.21	257.93	2705.29	-91.75	-367.02	378.29	378.31	255.96	1.46
2812.00	15.91	256.87	2765.02	-95.38	-383.24	394.92	394.94	256.02	1.22
2874.00	15.78	258.06	2824.66	-99.05	-399.77	411.84	411.86	256.08	1.56
2936.00	14.85	260.30	2884.46	-102.14	-415.85	428.20	428.21	256.20	1.78
2998.00	14.33	259.51	2944.46	-104.87	-431.22	443.79	443.79	256.33	1.90
3060.00	15.03	262.41	3004.44	-107.33	-446.74	459.45	459.45	256.49	1.64
3122.00	14.70	259.51	3064.36	-109.83	-462.44	475.30	475.30	256.64	1.31
3184.00	15.16	261.66	3124.27	-112.43	-478.20	491.24	491.24	256.77	1.16

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
3246.00	15.09	259.85	3184.12	-115.03	-494.16	507.37	507.38	256.90	.77
3308.00	14.81	260.12	3244.02	-117.81	-509.91	523.34	523.35	256.99	.47
3370.00	14.28	258.85	3304.04	-120.65	-525.22	538.88	538.90	257.06	1.00
3432.00	13.97	256.13	3364.16	-123.92	-539.99	554.01	554.03	257.07	1.18
3494.00	13.58	253.30	3424.38	-127.81	-554.23	568.76	568.77	257.01	1.26
3557.00	13.14	254.15	3485.68	-131.89	-568.20	583.30	583.31	256.93	.76
3619.00	11.90	256.26	3546.20	-135.33	-581.19	596.73	596.74	256.89	2.13
3681.00	11.19	256.34	3606.95	-138.27	-593.25	609.14	609.15	256.88	1.15
3743.00	10.46	257.18	3667.84	-140.94	-604.58	620.78	620.79	256.88	1.20
3805.00	10.10	254.98	3728.85	-143.60	-615.32	631.85	631.85	256.86	.86
3867.00	9.18	258.10	3789.97	-146.03	-625.41	642.22	642.23	256.86	1.71
3929.00	8.48	261.13	3851.24	-147.75	-634.76	651.73	651.73	256.90	1.36
3991.00	7.82	262.10	3912.61	-149.04	-643.46	660.48	660.49	256.96	1.09
4053.00	6.86	261.50	3974.10	-150.17	-651.30	668.37	668.39	257.02	1.55
4115.00	5.76	264.80	4035.72	-151.00	-658.06	675.14	675.16	257.08	1.87
4177.00	5.10	263.33	4097.45	-151.60	-663.90	680.95	680.98	257.14	1.09
4238.00	4.10	267.50	4158.25	-152.01	-668.77	685.79	685.83	257.19	1.73
4300.00	3.38	271.80	4220.12	-152.05	-672.81	689.73	689.78	257.27	1.25
4362.00	2.33	265.57	4282.04	-152.09	-675.89	692.74	692.79	257.32	1.76
4424.00	1.40	249.18	4344.01	-152.45	-677.86	694.73	694.79	257.32	1.71
4487.00	.10	73.88	4407.00	-152.71	-678.52	695.44	695.50	257.32	2.38
4549.00	1.23	64.52	4469.00	-152.41	-677.87	694.74	694.79	257.33	1.82
4611.00	.83	73.88	4530.98	-152.00	-676.84	693.64	693.70	257.34	.70
4673.00	.79	90.76	4592.98	-151.88	-675.98	692.77	692.83	257.34	.39
4735.00	.70	95.68	4654.97	-151.92	-675.18	692.00	692.06	257.32	.18
4797.00	.35	106.05	4716.97	-152.01	-674.62	691.48	691.53	257.30	.58
4859.00	.40	160.41	4778.97	-152.27	-674.36	691.29	691.34	257.28	.56
4921.00	.48	164.72	4840.97	-152.72	-674.22	691.26	691.30	257.24	.14
4983.00	.75	188.90	4902.96	-153.38	-674.22	691.40	691.44	257.18	.59
5045.00	.70	198.00	4964.96	-154.14	-674.40	691.76	691.79	257.13	.20
5107.00	.18	346.04	5026.96	-154.40	-674.54	691.95	691.98	257.11	1.38
5169.00	.75	51.52	5088.96	-154.06	-674.24	691.59	691.62	257.13	1.12
5231.00	1.36	62.63	5150.95	-153.46	-673.27	690.51	690.54	257.16	1.03
5293.00	1.80	75.11	5212.92	-152.88	-671.68	688.82	688.85	257.18	.90

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
5356.00	1.85	88.40	5275.89	-152.59	-669.70	686.83	686.87	257.16	.67
5418.00	1.72	101.74	5337.86	-152.75	-667.79	685.01	685.04	257.12	.70
5480.00	1.54	110.67	5399.84	-153.24	-666.10	683.48	683.50	257.04	.50
5542.00	1.19	137.78	5461.82	-154.01	-664.89	682.48	682.49	256.96	1.17
5604.00	1.49	134.05	5523.80	-155.05	-663.88	681.74	681.74	256.85	.50
5666.00	1.85	124.55	5585.77	-156.17	-662.47	680.63	680.63	256.74	.73
5728.00	1.76	130.97	5647.74	-157.37	-660.93	679.41	679.41	256.61	.36
5790.00	1.63	136.20	5709.72	-158.63	-659.60	678.41	678.41	256.48	.33
5852.00	1.63	142.31	5771.69	-159.96	-658.45	677.60	677.60	256.35	.28
5914.00	1.80	146.21	5833.66	-161.47	-657.37	676.89	676.91	256.20	.33
5976.00	1.70	144.94	5895.64	-163.03	-656.30	676.22	676.25	256.05	.17
<b>Projection to Bit @TD</b>									
6038.00	1.70	144.94	5957.61	-164.54	-655.24	675.54	675.59	255.90	.00

RECEIVED: Aug. 16, 2013

Job Number: UT131009  
 Company: Petroglyph  
 Lease/Well: Ute Tribal 28-06F  
 Location: Sec. 28, T5S, R3W  
 Rig Name: Aztec #673  
 State/Country: Utah/USA

Declination: 11.13  
 Grid: True

